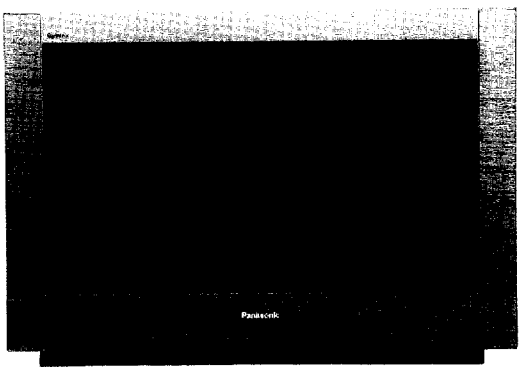
ORDER No. SM-00011

Service Manual



Colour Television

TX-32PK20

EURO-5 Chassis

SPECIFICATIONS

Power Source:	220-240V a.c., 50Hz
Power Consumption:	139W
Stand-by Power Consumption:	1.4W
Aerial Impedance:	75Ω unbalanced, Coaxial Type
Receiving System:	PAL I, PAL-525/60 M.NTSC NTSC (AV only)
Receiving Channels:	UHF E21-E69

Intermediate Frequency:

Video/Audio	
Video	39.5MHz
Audio	33.5MHz 32.95MHz (NICAM)
Colour	35.07MHz

Terminals:

AUDIO MONITOR OUT	Audio (RCAX2)	500mV 1kΩ
AV1 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	RGB (21 pin)	
AV1 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
AV2 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	S-Video IN (21-pin)	Y: 1V p-p 75Ω C: 0.3V p-p 75Ω
AV2 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ
	Selectable output (21 pin)	
AV3 IN	S-Video IN (4-pin)	Y: 1V p-p 75Ω C: 0.3V p-p 75Ω
	Audio (RCAx2)	500mV rms 10kΩ
	Video (RCAx1)	1V p-p 75Ω
AV4 IN	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 10kΩ
	S-Video IN (21-pin)	Y: 1V p-p 75Ω C: 0.3V p-p 75Ω
AV4 OUT	Video (21 pin)	1V p-p 75Ω
	Audio (21 pin)	500mV rms 1kΩ

High Voltage:	32kV ± 1kV	
Picture Tube:	W76LPX955X05	76cm
Audio Output: (Music Power)	Front Left/Right	2 x 20W
Headphones:	8Ω Impedance 3.5mm	
Accessories supplied:	Remote Control 2 x R6 (UM3) Batteries VS-PK1/2 Video Cabinet	

Dimensions:

Height:	558mm
Width:	812mm
Depth:	572mm

Net weight: 58kg

Specifications are subject to change without notice.
Weights and dimensions shown are approximate.

NOTE: This Service Manual should be used in conjunction with the EURO-5 Technical guide

Panasonic CS (U.K.) Ltd.
WILLOUGHBY ROAD,
BRACKNELL,
BERKS.,
RG12 8FT.

Panasonic

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SAFETY PRECAUTIONS

GENERAL GUIDE LINES

1. It is advisable to insert an isolation transformer in the a.c. supply before servicing a hot chassis.
2. When servicing, observe the original lead dress in the high voltage circuits. If a short circuit is found, replace all parts that have been overheated or damaged by the short circuit.
3. After servicing, see that all the protective devices such as insulation barriers, insulation papers, shields and isolation R-C combinations are correctly installed.
4. When the receiver is not being used for a long period of time, unplug the power cord from the a.c. outlet.
5. Potentials as high as 33kV are present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazard.

LEAKAGE CURRENT COLD CHECK

1. Unplug the a.c. cord and connect a jumper between the two prongs of the plug.
2. Turn on the receiver's power switch.
3. Measure the resistance value with an ohmmeter, between the jumpered a.c. plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts etc. When the exposed metallic part has a return path to the chassis, the reading should be between 4M ohm and 20M ohm. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

LEAKAGE CURRENT HOT CHECK

1. Plug the a.c. cord directly into the a.c. outlet. Do not use an isolation transformer for this check.
2. Connect a 2kΩ 10W resistor in series with an exposed metallic part on the receiver and an earth, such as a water pipe.
3. Use an a.c. voltmeter with high impedance to measure the potential across the resistor.
4. Check each exposed metallic part and check the voltage at each point.
5. Reverse the a.c. plug at the outlet and repeat each of the above measurements.
6. The potential at any point should not exceed 1.4Vrms. In case a measurement is outside the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

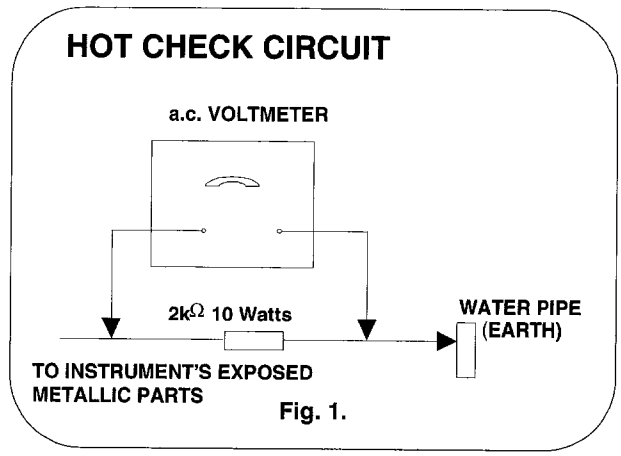


Fig. 1.

X-RADIATION WARNING

1. The potential sources of X-Radiation in TV sets are the high voltage section and the picture tube.
2. When using a picture tube test jig for service, ensure that the jig is capable of handling 33kV without causing X-Radiation.

NOTE: It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Measure the high voltage. The meter should indicate. 32kV ± 1kV.
   If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent any X-Radiation possibility, it is essential to use the specified tube.

SERVICE HINTS

How to remove the rear cover

1. Remove the 10 screws as shown in **Fig. 2.**

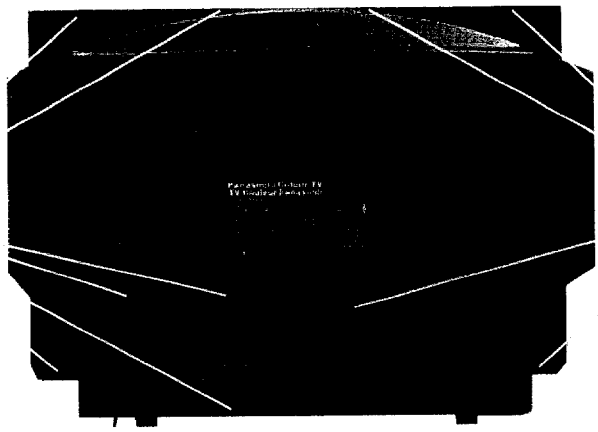


Fig. 2.

LOCATION OF CONTROLS

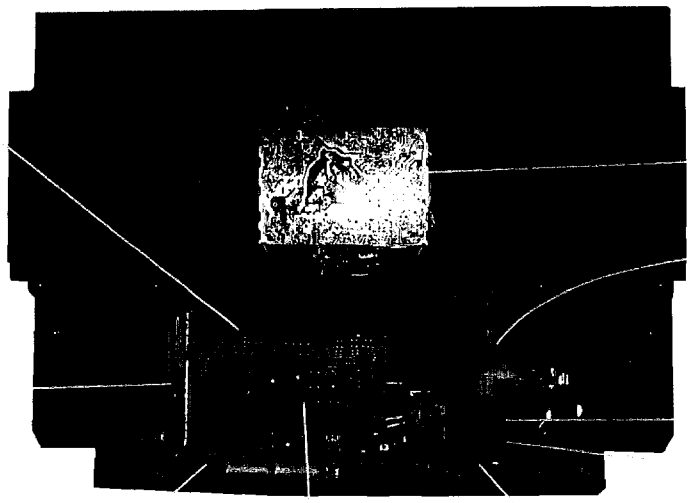


Fig. 3.

HOW TO MOVE THE CHASSIS INTO SERVICE POSITION

1. Remove the bead clamper from the mains lead and affix, using back cover screw, into top right-hand cabinet rib **(A)**, shown in **Fig. 4.**
2. Remove 2 screws **(B)**, as shown in **Fig. 5.**, and remove speaker assembly.
3. Hold and lift the rear of the chassis and gently pull the chassis toward you, as shown in **Fig. 4.**
4. Release the respective wiring clips and rotate the chassis vertically through 90°, anti-clockwise.
5. Locate the base of the chassis frame into location **(C)**, shown in **Fig. 6. / Fig. 8.**
6. Clip the chassis frame onto the bead clamper, shown in **Fig. 6. / Fig. 7.**
7. After servicing replace the bead clamper and speaker, and ensure all wiring is returned to its original position before returning the receiver to the customer.

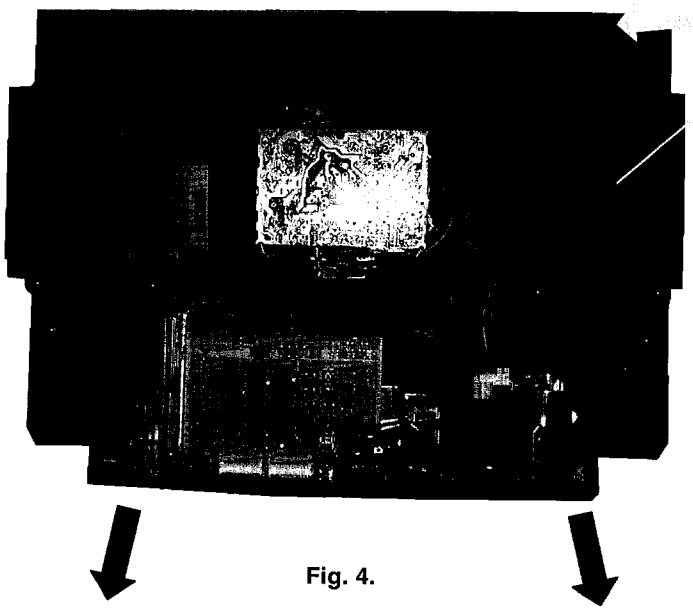
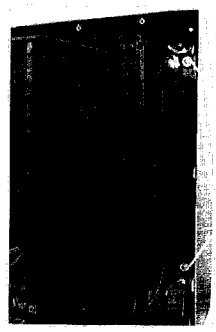


Fig. 4.



Screws
(B)

Fig. 5.

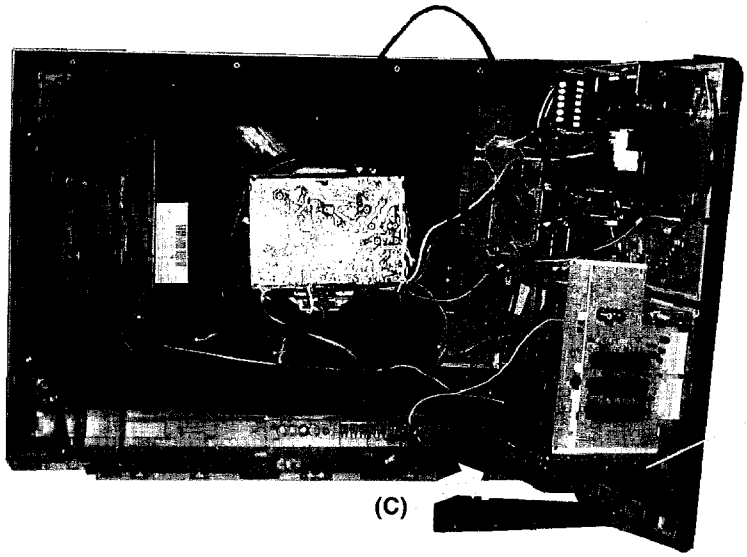


Fig. 6.

Fig. 7.

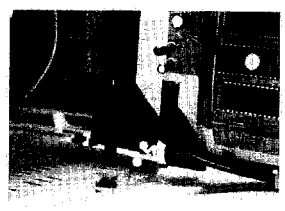


Fig. 8.

ADJUSTMENT PROCEDURE

Item/Preparation	Adjustments
Voltage Confirmation Set-Up 1. Receive a Greyscale signal. 1. Set the controls:- Brightness: Minimum Contrast: Minimum Volume: Minimum	1. Confirm the following voltages. **D-Board** / **E-Board** D3 pin5 147V ± 3V — U8A E19 pin8 8V ± 0.5V D12 pin5 5V ± 0.3V — U9 IC3801 pin3 9V ± 0.5V D13 pin1 40V ± 4V — U12 E22 pin8 12V ± 0.5V D3 pin4 205V ± 10V — STD5V E26 pin4 5V ± 0.5V D14 pin5 5V ± 0.5V — U15 E23 pin8 15V ± 1V D12 pin7 15V ± 2V — U15 E23 pin9 15V ± 2V D12 pin9 -15V ± 2V — U33 E22 pin10 33V ± 4V D11 pin8 12V ± 2V — U40 E24 pin1 40V ± 3V D11 pin10 33V ± 3V — U5B E19 pin5 5V ± 0.5V
Cut-Off 1. Receive a Greyscale signal. 2. Degauss the tube externally. 3. Set the TV into Service Mode 1. 4. Select Cut-off mode.	Adjust the screen VR until the display shows "O.K."

FACTORY SETTINGS

To return customer settings to factory settings and clear owner ID of all information input by the customer, enter Self-Check mode. Press the down (**-/v**) button on the customer controls at the front of the TV set, at the same time pressing the **STATUS** button [+] on the remote control. To exit Self Check, switch off the TV set at the power button.
NOTE: Self Check should only be used when refurbishing the TV set and not during normal repair work.

VPC	O.K.	PCB	O.K.
TUN	O.K.	Cab	O.K.
E2	O.K.		
MSP	O.K.	Sum	Factory use only
DPL	- -		
CI1	O.K.		
CI2	O.K.		
VP	O.K.		
DFU	O.K.		
COL	- -		
PIP	- -		
DIS	O.K.		
OPTION 1	80		
OPTION 2	31		
OPTION 3	02		
OPTION 4	C0		
OPTION 5	B1		
OPTION 6	E9		

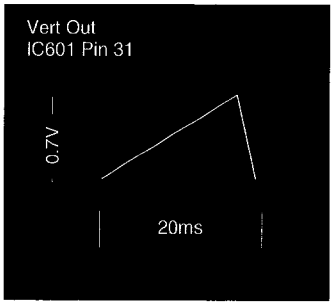
If the CCU ports have been checked and found to be incorrect or not located then " - - " will appear in place of "O.K.".

Service Aids
To aid in the service of our current chassis there are a number of Service Aids which have been made available.

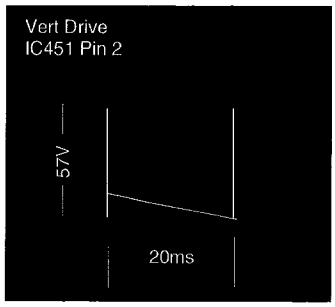
- **LUCI** interface kit (**L**inked **U**tility **C**omputer **I**nterface)
  Part number: TZS6EZ002
  This contains interface and cables for connecting TV service connector and a PC as well as diagnostic software. As new models are introduced upgrade software will become available.
- **VICI** (**V**isual **I**nteractive **C**omputer **I**nformation)
  These C.D.'s contain multimedia documentation providing quick access to service information.
  Part No. TZS7EZ006, TZS7EZ005, TZS8EZ001 & TZS9EZ001
  1. Service Manuals
  2. Instruction Books
  3. Technical Information
- **TASMIN** (**T**echnically **A**dvanced **S**ystem for **M**ultimedia **I**nteractive **N**otes)
  As well as providing a first step towards more interactive training this product also achieves quick access to Technical Information.

WAVEFORM PATTERN TABLE

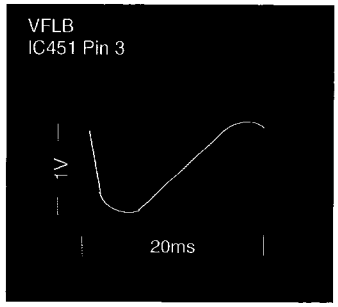
Vert Out
IC601 Pin 31



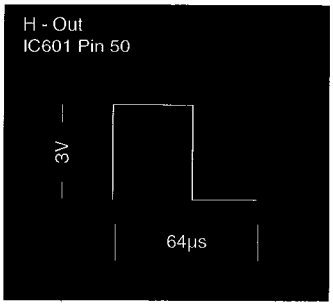
Vert Drive
IC451 Pin 2



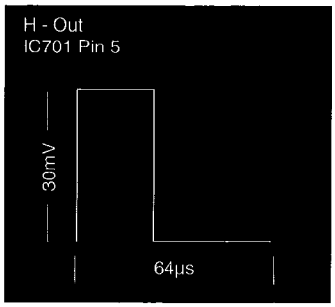
VFLB
IC451 Pin 3



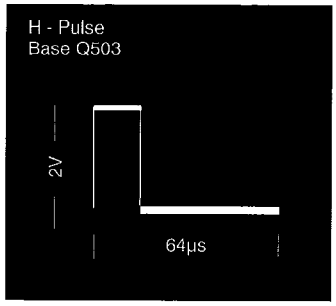
H - Out
IC601 Pin 50



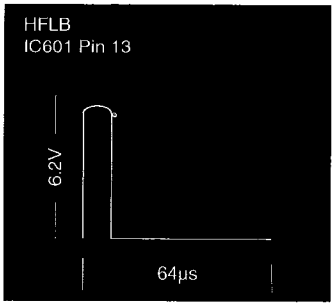
H - Out
IC701 Pin 5



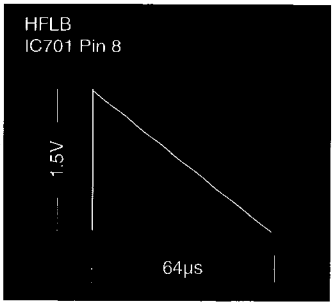
H - Pulse
Base Q503



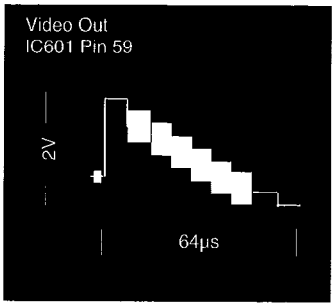
HFLB
IC601 Pin 13



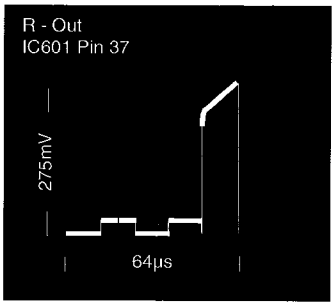
HFLB
IC701 Pin 8



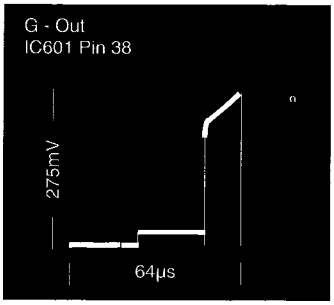
Video Out
IC601 Pin 59



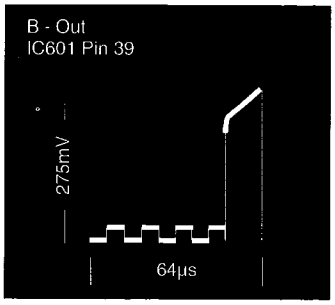
R - Out
IC601 Pin 37



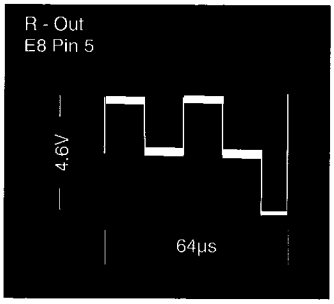
G - Out
IC601 Pin 38



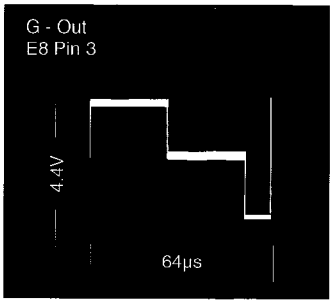
B - Out
IC601 Pin 39



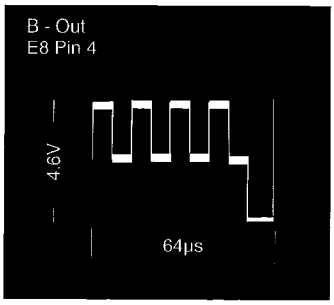
R - Out
E8 Pin 5



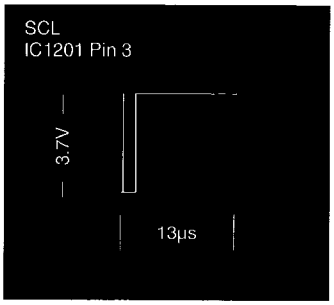
G - Out
E8 Pin 3



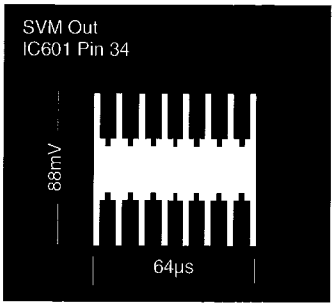
B - Out
E8 Pin 4



SCL
IC1201 Pin 3



SVM Out
IC601 Pin 34



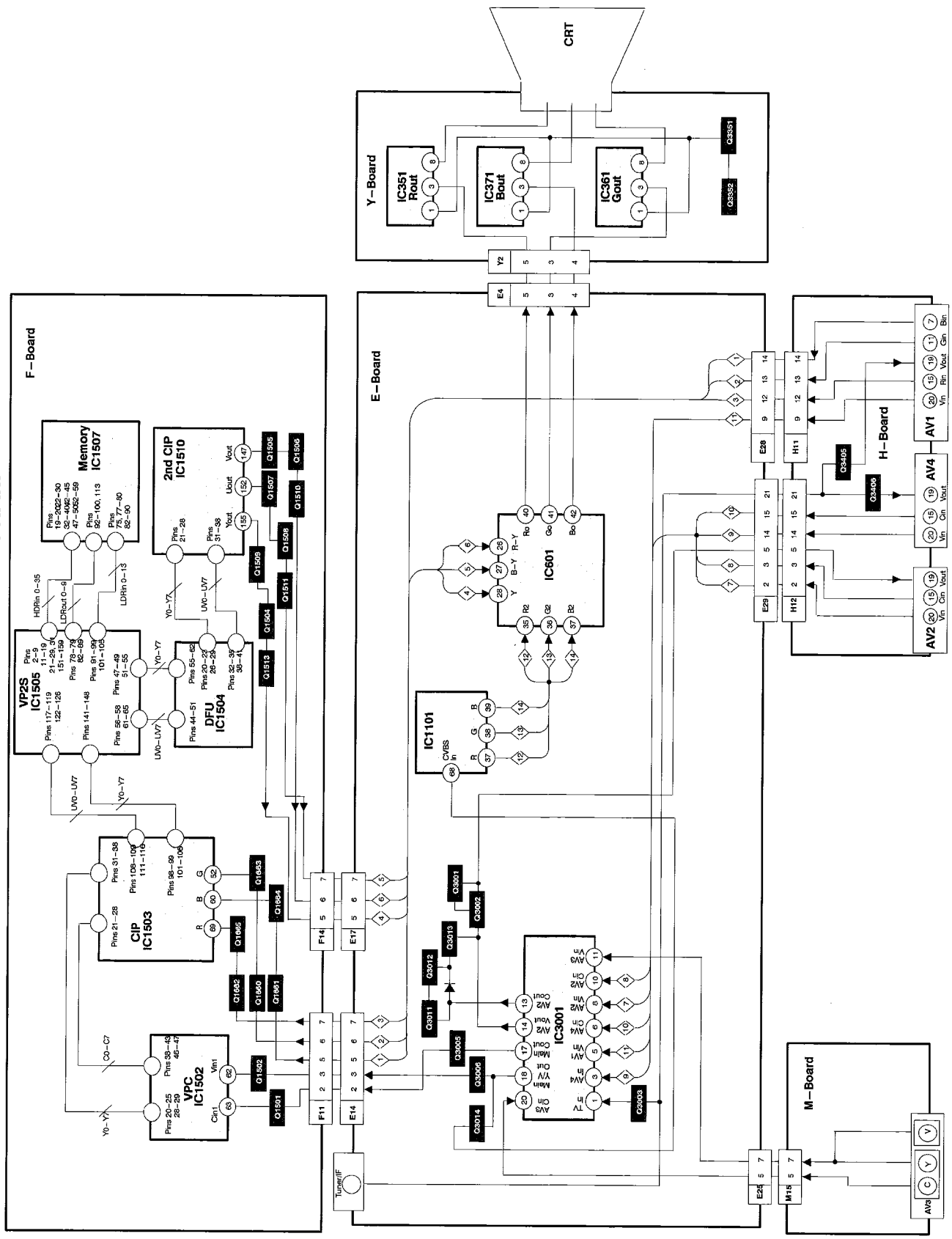
ALIGNMENT SETTINGS

(The figures below are nominal and used for representative purposes only.)

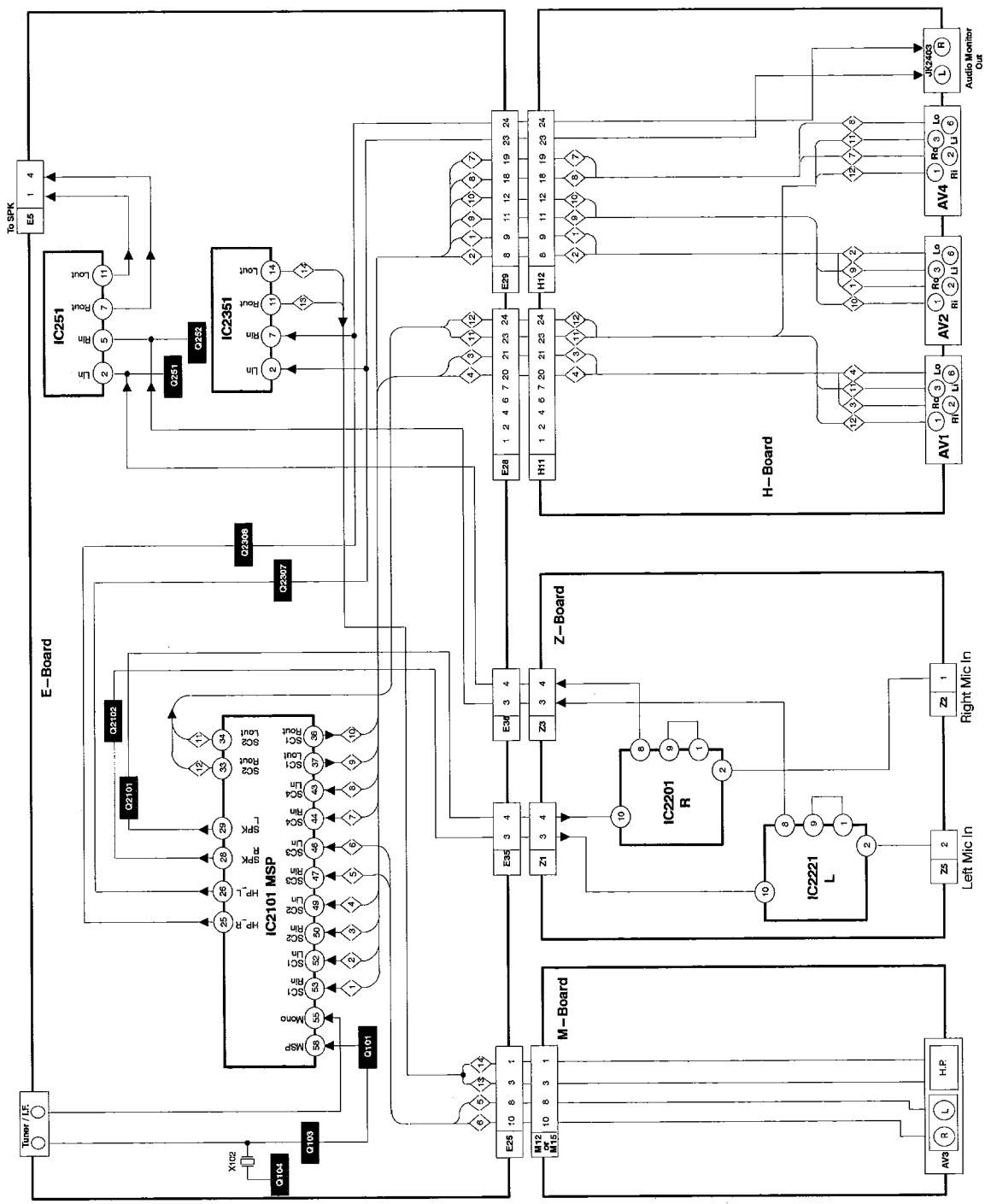
1. Set the Bass to maximum position, set the Treble to minimum position, press the down button **(- / v)** on the customer controls at the front of the TV and at the same time press the **INDEX** button on the remote control, this will place the TV into the Service Mode.
2. Press the **RED / GREEN** buttons to step up / down through the functions.
3. Press the **YELLOW / BLUE** buttons to alter the function values.
4. Press the **STR** button after each adjustment has been made to store the required values.
5. To exit the Service Mode, press the "**N**" button.

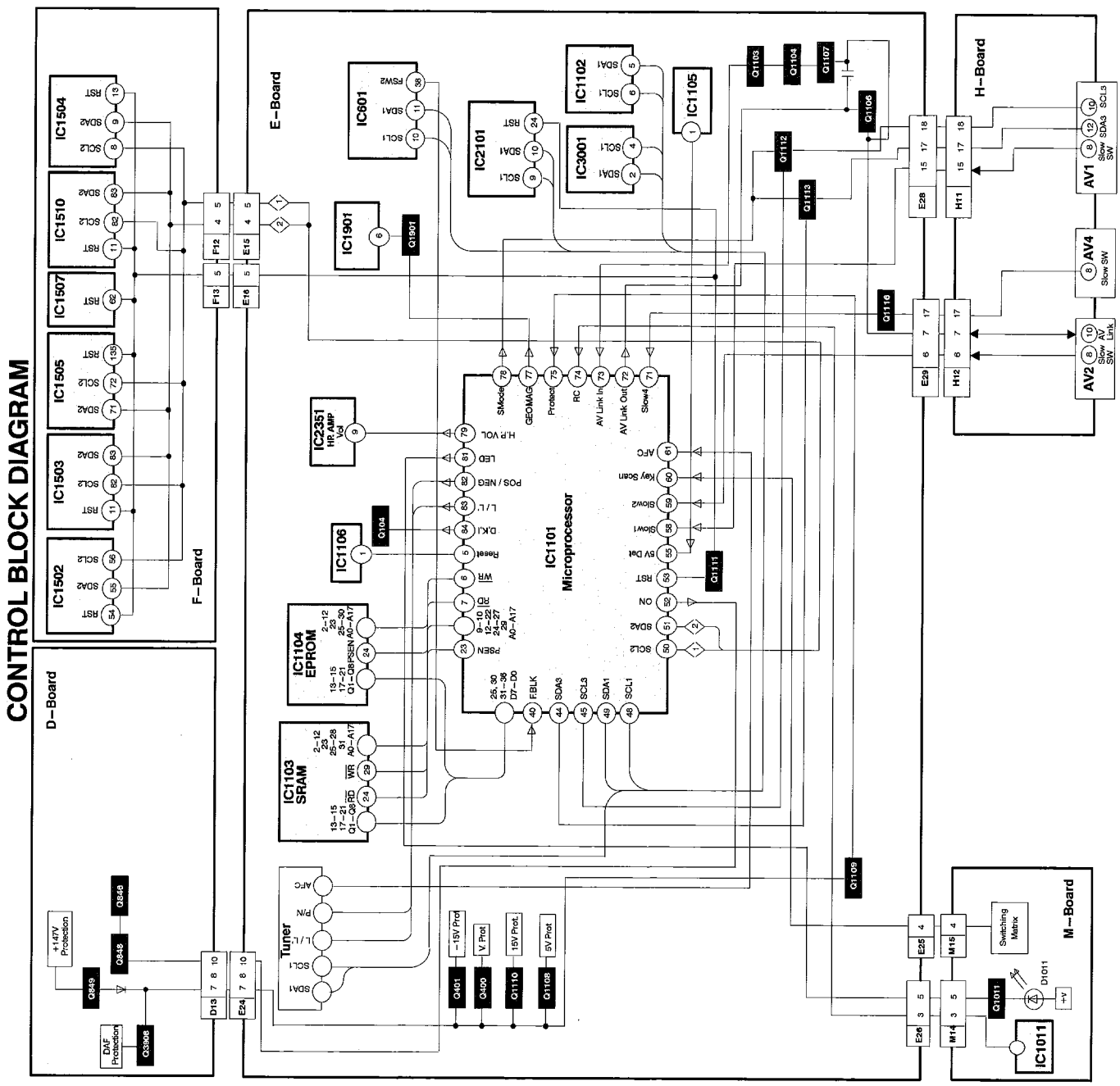
Alignment Function		Settings / Special features
Horizontal Position	H-Pos +020	Optimum setting.
Vertical Position	V-Pos +024	Optimum setting.
Horizontal Amplitude	H-Amp +049	Optimum setting.
Vert. Amplitude	V-Amp +029	Optimum setting.
EW-amplitude	E/W-Amp1 +022	Optimum setting.
EW-amplitude	E/W-Amp2 +000	Optimum setting.
Trapezium-comp	Trapez-1 +033	Optimum setting.
Horizontal-Parallel	H-Parallel +032	Optimum setting.
Vertical Linearity	V-Lin +004	Optimum setting.
DVCO	DVCO 000	Receive a PAL Colour Bar Pattern. For DVCO alignment press "**Blue**" button, wait until the colours are stable and press "**STR**".
Cut-off DC	Cut-off O.K.	To adjust Cutoff adjust the screen VR until the display shows "O.K."
Highlight	High 0031 0031 0031	Contrast Maximum A.I. Off Optimum setting.
Sub-Brightness	Sub-Brightness 000	Optimum setting.

VIDEO BLOCK DIAGRAM

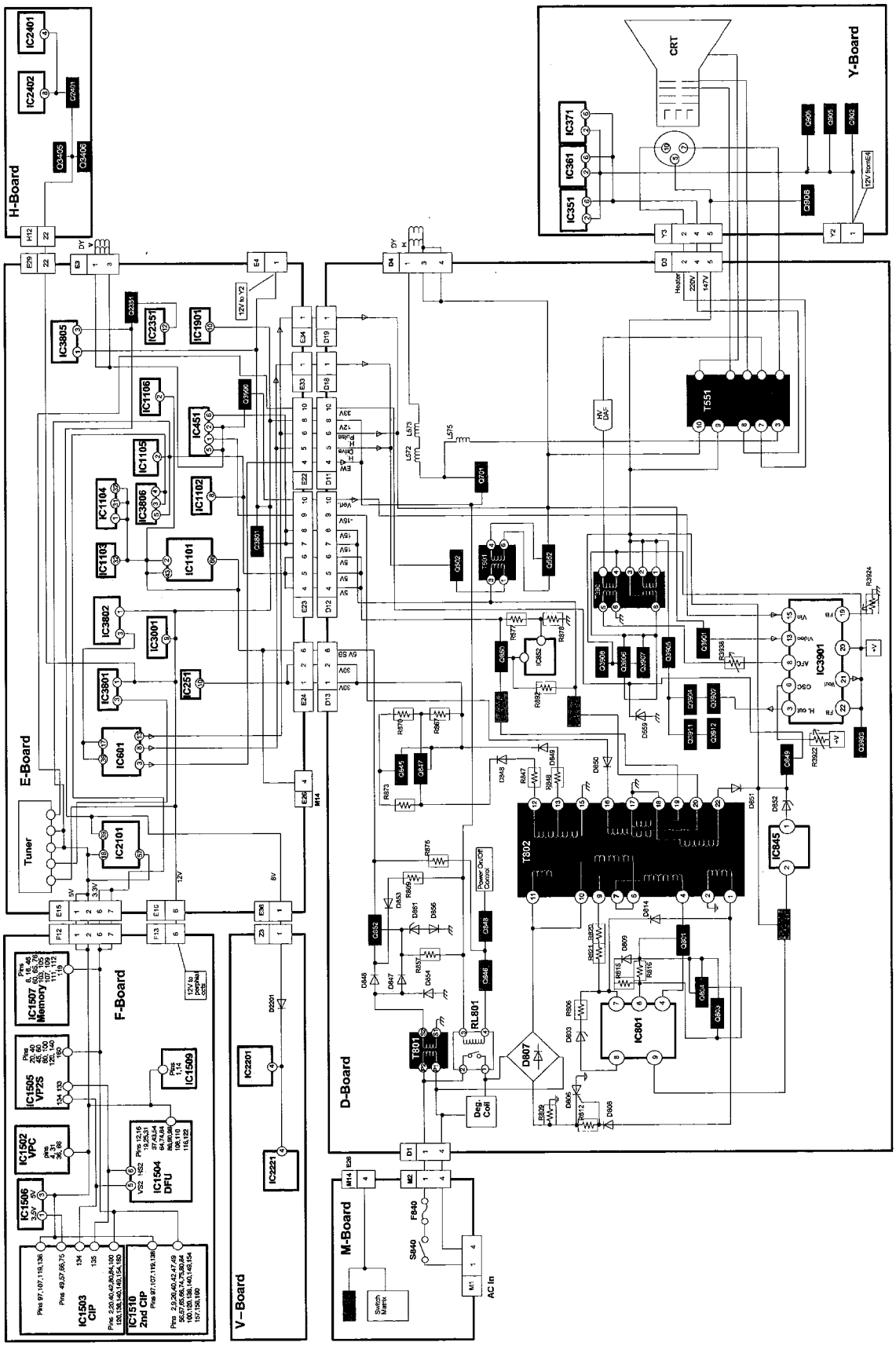


AUDIO BLOCK DIAGRAM



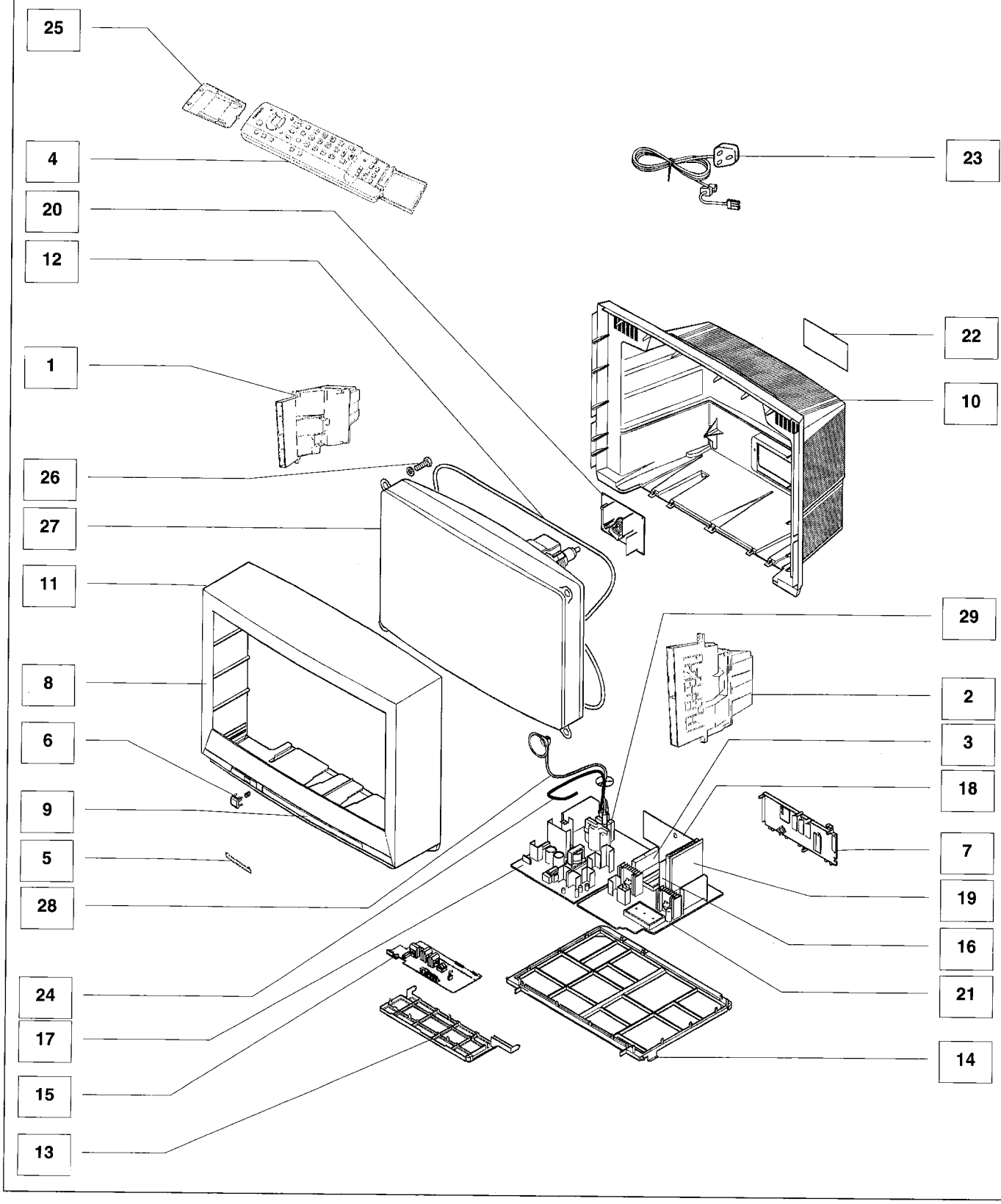

CONTROL BLOCK DIAGRAM
D–Board
F–Board
E–Board
H–Board
M–Board
IC1502
IC1503
IC1505
IC1507
IC1510
IC1504
IC601
IC1901
IC2101
IC3001
IC1102
IC1105
IC2351
HP AMP Vol
IC1106
IC1104
EPROM
IC1103
SRAM
IC1101
Microprocessor
Tuner
IC1011
AV1
AV2
AV4
+12V Protection
DAF Protection
Switching Matrix
Slow SW
AV Link
–15V Prot
V Prot
15V Prot
5V Prot

POWER SUPPLY & DEFLECTION BLOCK DIAGRAM



PARTS LOCATION

NOTE:
The numbers on the exploded view below refer to the mechanical section of the Replacement Parts List.



REPLACEMENT PARTS LIST

Important Safety Notice

Components Identified by ⚠ mark have special characteristics important for safety.
* When replacing any of these components, use only manufacturers specified parts.
In case of ordering these spare parts, please always add the complete Model-Type number to your order.

Cct Ref	Parts Number	Description	
MECHANICAL PARTS			
1	EAB10106DL	SPEAKER LEFT	
2	EAB10106DR	SPEAKER RIGHT	
3	ENG27501G	TUNER	⚠
4	EUR511211	REMOTE CONTROL	
5	TBMA060	PANASONIC BADGE	
6	TBX8E068	POWER BUTTON	
7	TKP8E1253-3	REAR AV PANEL	
8	TKP8E1285	SPEAKER NET	
9	TKP8E1316	DOOR LID	
10	TKU8E00480	BACK COVER	⚠
11	TKY8E390	CABINET	⚠
12	TLK8E05123	DEGAUSS COIL	⚠
13	TMW8E031	CONTROL BRACKET	
14	TMX8E034	CHASSIS FRAME	
15	TNP8EM022AC	M P.C.B.	⚠
16	TNP8EZ001AA	Z P.C.B.	⚠
17	TNPA0876AP	D P.C.B.	⚠
18	TNPA1047AC	H P.C.B.	⚠
19	TNPA1068AH	F P.C.B.	⚠
20	TNPA1353AN	Y P.C.B.	⚠
21	TNPH0176CM	E P.C.B.	⚠
22	TQF8E3054	MODEL LABEL	⚠
23	TSX8E0042	POWER CORD	⚠
24	TXJ/FC0DDG	FOCUS LEAD ASSY	⚠
25	UR51EC904A	BATTERY COVER (REMOTE)	
26	VP19151	CRT FIXING SCREW	
27	W76LPX955X05	C.R.T.	⚠
28	ZTBZAD550A	ANODE CABLE	⚠
29	ZTFL77002A	F.B.T.	⚠
MISCELLANEOUS COMPONENTS			
.	832AG11D-ESL	IC SOCKET	
.	PCSZT-084A-1	IC SOCKET	
.	TBM8E1935	PRESET LABEL	
.	TBM8E1936-1	BLANKING LABEL	
.	TEK6940	LID CATCH	
.	TES8E019	POWER BUTTON SPRING	
.	TKP8E1288	LED COVER	
.	TKP8E1300	I.R. COVER	
.	TLK8E05124	GEOMAGNETIC COIL	⚠
.	TMM76526-1	CLAMPER	
.	TMM81416	FIXING CLAMP	
.	TMW8E030	LED HOLDER	
.	VS-PK1/2	VIDEO CABINET	
R805	232266296706	THERMISTOR	⚠
INSTRUCTION BOOKS			
.	TQB8E3063-1	ENGLISH	⚠
I.C.s			
IC251	LA4282	AUDIO OUTPUT	
IC351	TDA6111Q-N4	RGB OUTPUT	
IC361	TDA6111Q-N4	RGB OUTPUT	

Cct Ref	Parts Number	Description
IC371	TDA6111Q-N4	RGB OUTPUT
IC381	TL431CLPM	REGULATOR
IC451	LA7845N	VERTICAL OUTPUT
IC601	TDA9330HN1G	VIDEO PROCESSOR
IC801	AN8029	POWER SUPPLY
IC845	SE140N	ERROR AMPLIFIER
IC852	TL431CLPM	REGULATOR
IC1011	RPM-637CBRL	LED RECEIVER
IC1101	SDA5450C59	MICRO PROCESSOR
IC1102	X24RD5-01EA	EAROM *
IC1103	KM681000CLP	SRAM
IC1104	27C2001-J09	EPROM *
IC1105	MN1381-R(TA)	RESET
IC1106	MN1381-R(TA)	RESET
IC1502	VPC3215CB8TP	VIDEO PROCESSOR
IC1503	MB87F1720	CIP
IC1504	FJB007S	DFU
IC1505	MB87F2131	VP2S
IC1506	AN77L035M-E1	3.5V REGULATOR
IC1507	MB87H2010	MEMORY
IC1509	TLC2932IPWL	CLOCK CONVERTOR
IC1510	MB87F1720	CIP
IC1901	LA6515	EARTH CORRECTION
IC2101	MSP3410DPPC5	AUDIO PROCESSOR
IC2201	AN6554NSF-E2	OPERATIONAL AMPLIFIER
IC2221	AN6554NSF-E2	OPERATIONAL AMPLIFIER
IC2351	AN7108	H.P. AMPLIFIER
IC3001	TEA6415C	VIDEO SWITCH
IC3801	AN7809FLB	9V REGULATOR
IC3802	AN7708FLB	8V REGULATOR
IC3805	AN7808LB	8V REGULATOR
IC3806	SI-3033C	3.5V REGULATOR
IC3901	AN5422K	DYNAMIC FOCUS
FUSES		
F840-1	EYF52BC	FUSE HOLDER
F840-2	EYF52BC	FUSE HOLDER
F840	XBA2C50TH15	FUSE ⚠
DIODES		
D001	MA4020	DIODE
D002	MA4020	DIODE
D252	MA165TA5	DIODE
D253	MA700TA5	DIODE
D254	MA700TA5	DIODE
D255	MA165TA5	DIODE
D351	ERA15-04V3	DIODE
D352	ERA15-04V3	DIODE
D361	ERA15-04V3	DIODE
D362	ERA15-04V3	DIODE
D371	ERA15-04V3	DIODE
D372	ERA15-04V3	DIODE
D373	MTZJT-7715A	DIODE
D374	MTZJT-7715A	DIODE

Cct Ref	Parts Number	Description
D375	MTZJT-7715A	DIODE
D387	MA2160LFS	DIODE
D400	MA4104	DIODE
D401	MA165TA5	DIODE
D402	MA165TA5	DIODE
D404	EU02AV1	DIODE
D405	MA165TA5	DIODE
D408	MA165TA5	DIODE
D601	MA29TA5	DIODE
D603	MA4075	DIODE
D605	MA4062	DIODE
D607	MA165TA5	DIODE
D610	MA4043	DIODE
D611	MA165TA5	DIODE
D612	MA165TA5	DIODE
D615	MA165TA5	DIODE
D616	MA178TA5	DIODE
D617	MTZJT-779.1C	DIODE
D618	MTZJT-779.1C	DIODE
D620	MA165TA5	DIODE
D651	MA165TA5	DIODE
D901	1SS254T-77	DIODE
D902	1SS254T-77	DIODE
D903	1SS254T-77	DIODE
D910	R2KNLFA1	DIODE
D1011	LN81RPHCF3	LED
D1102	MA4051	DIODE
D1103	MA4051	DIODE
D1104	MA165TA5	DIODE
D1105	MA165TA5	DIODE
D1107	MA165TA5	DIODE
D1109	MA165TA5	DIODE
D1110	MA165TA5	DIODE
D1111	MA165TA5	DIODE
D1501	MA151ATX	DIODE
D2101	MTZJT-7712C	DIODE
D2102	MTZJT-7712C	DIODE
D2351	MTZJT-775.6B	DIODE
D3006	MA4100	DIODE
D3008	MA723TA5	DIODE
D3009	MA170	DIODE
D3011	MA858TA5	DIODE
D3351	1SS254T-77	DIODE
D3352	MA165TA5	DIODE
D3353	MA165TA5	DIODE
D3354	MA165TA5	DIODE
D3401	MTZJT-7712C	DIODE
D3402	MTZJT-7712C	DIODE
D3803	MTZJT-774.7A	DIODE
D3804	MTZJT-778.2A	DIODE
D3805	ERA81004V3	DIODE
D3990	MTZJT-7724D	DIODE
TRANSISTORS		
Q101	BC847B	TRANSISTOR
Q103	BC847B	TRANSISTOR
Q104	BC847B	TRANSISTOR
Q251	2SD1328STX	TRANSISTOR
Q252	2SD1328STX	TRANSISTOR
Q253	BC847B	TRANSISTOR
Q254	BC857B	TRANSISTOR
Q400	BC847B	TRANSISTOR
Q401	BC847B	TRANSISTOR
Q601	BC857B	TRANSISTOR
Q602	BC857B	TRANSISTOR
Q603	BC857B	TRANSISTOR
Q604	BC857B	TRANSISTOR

Cct Ref	Parts Number	Description
Q607	BC857B	TRANSISTOR
Q608	BC857B	TRANSISTOR
Q845	2SA684R	TRANSISTOR
Q849	2SA1018QTA	TRANSISTOR
Q902	BC847B	TRANSISTOR
Q903	BC847B	TRANSISTOR
Q904	BC857B	TRANSISTOR
Q905	BC847B	TRANSISTOR
Q906	BC847B	TRANSISTOR
Q907	BC857B	TRANSISTOR
Q908	2SA1535ARLB	TRANSISTOR
Q909	2SC3944ARLB	TRANSISTOR
Q1011	BC557B/126	TRANSISTOR
Q1103	BC847B	TRANSISTOR
Q1104	BC847B	TRANSISTOR
Q1105	BC847B	TRANSISTOR
Q1106	BC847B	TRANSISTOR
Q1107	BC847B	TRANSISTOR
Q1108	BC847B	TRANSISTOR
Q1109	BC847B	TRANSISTOR
Q1110	BC847B	TRANSISTOR
Q1111	BC847B	TRANSISTOR
Q1112	BC847B	TRANSISTOR
Q1113	BC847B	TRANSISTOR
Q1116	BC847B	TRANSISTOR
Q1501	BC857B	TRANSISTOR
Q1502	BC857B	TRANSISTOR
Q1503	BC847B	TRANSISTOR
Q1504	BC847B	TRANSISTOR
Q1505	BC847B	TRANSISTOR
Q1506	BC847B	TRANSISTOR
Q1507	BC847B	TRANSISTOR
Q1508	BC847B	TRANSISTOR
Q1509	BC847B	TRANSISTOR
Q1510	BC847B	TRANSISTOR
Q1511	BC847B	TRANSISTOR
Q1513	BC857B	TRANSISTOR
Q1660	BC847B	TRANSISTOR
Q1661	BC847B	TRANSISTOR
Q1662	BC847B	TRANSISTOR
Q1663	BC847B	TRANSISTOR
Q1664	BC847B	TRANSISTOR
Q1665	BC847B	TRANSISTOR
Q1666	BC847B	TRANSISTOR
Q1667	BC847B	TRANSISTOR
Q1901	BC847B	TRANSISTOR
Q2101	BC860B	TRANSISTOR
Q2102	BC860B	TRANSISTOR
Q2301	BC847B	TRANSISTOR
Q2302	BC847B	TRANSISTOR
Q2305	BC857B	TRANSISTOR
Q2307	BC860B	TRANSISTOR
Q2308	BC860B	TRANSISTOR
Q2351	BC847B	TRANSISTOR
Q2352	BC847B	TRANSISTOR
Q3001	BC857B	TRANSISTOR
Q3002	BC847B	TRANSISTOR
Q3003	BC847B	TRANSISTOR
Q3005	BC847B	TRANSISTOR
Q3006	BC847B	TRANSISTOR
Q3010	BC857B	TRANSISTOR
Q3011	BC857B	TRANSISTOR
Q3012	BC847B	TRANSISTOR
Q3013	BC847B	TRANSISTOR
Q3014	BC847B	TRANSISTOR
Q3351	BC847B	TRANSISTOR

Cct Ref	Parts Number	Description
Q3352	BC857B	TRANSISTOR
Q3401	BC847B	TRANSISTOR
Q3402	BC847B	TRANSISTOR
Q3403	BC847B	TRANSISTOR
Q3404	BC847B	TRANSISTOR
Q3405	BC847B	TRANSISTOR
Q3406	BC847B	TRANSISTOR
Q3801	2SD1474PLB	TRANSISTOR
Q3905	2SK1006RF122	TRANSISTOR
Q3906	2SC4572RB	TRANSISTOR
Q3990	BC847B	TRANSISTOR
TRANSFORMERS		
T501	ETH19Y187AY	TRANSFORMER ⚠
T801	ETP35KAN619U	TRANSFORMER ⚠
T802	ETS49AH1W7AD	TRANSFORMER ⚠
T3901	ETF18L37B	TRANSFORMER ⚠
COILS		
J5	ELESN2R2KA	COIL
J341	EXCELSA39V	COIL
J361	EXCELSA39V	COIL
JA1	ELJFC2R2KF	COIL
JA10	ELJFC2R2KF	COIL
L002	EXCELDR35V	COIL
L003	EXCELDR35V	COIL
L004	EXCELSA35T	COIL
L005	TLT100K991R	COIL
L007	EXCELDR35V	COIL
L008	ELJFC2R2KF	COIL
L009	ELJFC2R2KF	COIL
L251	EXCELSA35T	COIL
L252	EXCELSA35T	COIL
L253	EXCELSA35T	COIL
L254	EXCELSA35T	COIL
L351	ELB4C070B	DELAY LINE
L353	TLT120K991R	COIL
L361	ELB4C070B	DELAY LINE
L363	TLT120K991R	COIL
L371	ELB4C070B	DELAY LINE
L373	TLT120K991R	COIL
L381	TLT220K991R	COIL
L383	EXCELSA35T	COIL
L601	EXCELDR25V	COIL
L602	EXCELDR35V	COIL
L603	TLT033K991R	COIL
L604	ELEXT2R7KA	COIL
L605	ELEXT2R7KA	COIL
L606	ELEXT2R7KA	COIL
L607	ELEXT2R7KA	COIL
L910	EXCELSA35T	COIL
L911	EXCELSA35T	COIL
L912	EXCELSA35T	COIL
L1101	EXCELDR35V	COIL
L1103	TLT047K991R	COIL
L1104	EXCELDR35V	COIL
L1105	EXCELDR35V	COIL
L1106	TLT047K991R	COIL
L1507	TLT018K991R	COIL
L1508	TLT033K991R	COIL
L1509	EXCELDR35V	COIL
L1510	EXCELDR35V	COIL
L1511	TLT018K991R	COIL
L1516	EXCELDR35V	COIL
L1519	EXCEMT103DTM	COIL
L1523	EXCEMT103DTM	COIL
L1525	EXCEMT103DTM	COIL
L1527	EXCEMT103DTM	COIL

Cct Ref	Parts Number	Description
L1528	EXCELDR35V	COIL
L1529	EXCELDR35V	COIL
L1532	EXCELDR35V	COIL
L1533	EXCELDR35V	COIL
L1534	EXCELDR35V	COIL
L1535	EXCELDR35V	COIL
L1536	EXCELDR35V	COIL
L1537	TLT100K991R	COIL
L1538	TLT018K991R	COIL
L1539	TLT033K991R	COIL
L1540	TLT018K991R	COIL
L1541	TLT033K991R	COIL
L1542	TLT018K991R	COIL
L1543	TLT033K991R	COIL
L1901	EXCELDR25V	COIL
L2101	TLT100K991R	COIL
L2102	TLT039K991R	COIL
L2103	TLT100K991R	COIL
L2104	EXCELDR35V	COIL
L2106	TLT068K991R	COIL
L2201	EXCELDR35V	COIL
L2381	EXCELSA35T	COIL
L2382	EXCELSA35T	COIL
L2412	EXCELSA35T	COIL
L2413	EXCELSA35T	COIL
L3001	TLT100K991R	COIL
L3205	EXCELDR35V	COIL
L3281	EXCELSA35T	COIL
L3282	EXCELSA35T	COIL
L3283	EXCELSA35T	COIL
L3401	TLT015K991R	COIL
L3402	TLT015K991R	COIL
L3403	TLT015K991R	COIL
L3404	TLT015K991R	COIL
L3405	TLT015K991R	COIL
L3406	TLT015K991R	COIL
L3407	TLT015K991R	COIL
L3408	TLT015K991R	COIL
L3409	TLT100K991R	COIL
L3410	TLT015K991R	COIL
L3411	TLT015K991R	COIL
L3412	TLT015K991R	COIL
L3413	TLT015K991R	COIL
L3801	EXCELDR35V	COIL
FILTERS		
L840	ELF18N012A	LINE FILTER
L841	ELF18N012A	LINE FILTER
T803	ETQ24K37AY	LINE FILTER
X102	EFCT7004BF	CERAMIC FILTER
CRYSTALS		
X601	TSSA010	CRYSTAL
X1101	TSSA121	CRYSTAL
X1501	TSS2169-B	CRYSTAL
X2101	4730007158	CRYSTAL
RESISTORS		
.	ERC12GK825	SOLID 0.5W 10% 8M2 Ω
D2201	ERQ14AJW220	METAL 0.25W 5% 22 Ω ⚠
JA1	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA1	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA2	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA2	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA3	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA3	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω
JA4	ERJ6GEY0R00	S.M.CARB 0.1W 5% 0 Ω
JA4	ERJ8GEY0R00	S.M.CARB .125W 5% 0 Ω

Cct Ref	Parts Number	Description			
JA5	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA5	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA6	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA6	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA7	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA7	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA8	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA9	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA11	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA12	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA13	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA13	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA14	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA14	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA15	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA16	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA18	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA19	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA20	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA21	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA23	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA24	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA26	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA27	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA29	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA30	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA31	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA33	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA35	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA36	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA37	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA38	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA39	ERJ8GEY0R00	S.M.CARB	.125W	5%	0 Ω
JA40	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA41	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JA42	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE004	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE011	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE012	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE044	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSE055	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF006	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF007	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF009	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF013	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF015	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF017	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF018	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF019	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF020	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF021	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF022	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF023	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF024	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF025	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF026	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF027	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF028	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF029	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF032	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF034	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω

Cct Ref	Parts Number	Description			
JSF037	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF039	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF041	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF042	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSF043	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH002	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSH010	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSY03	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSY04	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ001	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ003	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
JSZ005	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R002	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R003	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R101	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R103	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω
R104	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R105	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R106	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω
R107	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R109	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R110	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R111	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R251	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R252	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R253	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R254	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R255	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R256	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R257	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R258	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R259	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R260	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R261	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R262	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R263	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R264	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R265	ERDS1TJ2R2	CARBON	0.5W	5%	2R2 Ω
R266	ERDS1TJ2R2	CARBON	0.5W	5%	2R2 Ω
R269	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R270	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R271	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R272	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R273	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R350	ERQ12AJ331P	METAL	.125W	5%	330 Ω ⚠
R351	ERJ6GEYJ911	S.M.CARB	0.1W	5%	910 Ω
R352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R354	ERO25CKF4122	METAL	0.25W	5%	1K2 Ω ⚠
R355	ERG2FG823H	METAL	2W	5%	82K Ω ⚠
R356	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R357	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R358	ERC12GK471C	SOLID	0.5W	5%	470 Ω
R360	ERO50PKF8251	METAL	0.5W	5%	8M2 Ω ⚠
R361	ERJ6GEYJ911	S.M.CARB	0.1W	5%	910 Ω
R362	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R364	ERO25CKF4122	METAL	0.25W	5%	1K2 Ω ⚠
R365	ERG2FG823H	METAL	2W	5%	82K Ω ⚠
R366	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R367	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R368	ERC12GK471C	SOLID	0.5W	5%	470 Ω
R369	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R370	ERQ2CJP2R2	METAL	2W	5%	2R2 Ω ⚠
R371	ERJ6GEYJ911	S.M.CARB	0.1W	5%	910 Ω
R372	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R374	ERO25CKF4122	METAL	0.25W	5%	1K2 Ω ⚠

Cct Ref	Parts Number	Description				
R375	ERG2FG823H	METAL	2W	5%	82K Ω	⚠
R376	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R377	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω	
R378	ERC12GK471C	SOLID	0.5W	5%	470 Ω	
R379	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R383	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R391	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R392	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R393	ERJ6GEYJ821	S.M.CARB	0.1W	5%	820 Ω	
R394	ERJ6ENF1021	S.M. CAR	0.1W	5%	1K Ω	
R395	ERJ6ENF2370	S.M. CAR	0.1W	5%	37 Ω	
R396	ERJ6ENF1021	S.M. CAR	0.1W	5%	1K Ω	
R397	ERJ6ENF2370	S.M. CAR	0.1W	5%	37 Ω	
R398	ERJ6ENF1021	S.M. CAR	0.1W	5%	1K Ω	
R399	ERJ6ENF2370	S.M. CAR	0.1W	5%	37 Ω	
R401	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R402	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R403	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R404	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R416	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R418	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R419	ERG3FJ471	METAL	3W	5%	470 Ω	⚠
R420	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω	
R421	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω	
R441	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R442	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R443	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R451	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω	
R452	ERDS1TJ3R3	CARBON	0.5W	5%	3R3 Ω	
R453	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R454	ERJ6GEYJ123	S.M.CARB	0.1W	5%	12K Ω	
R457	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R458	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3K Ω	
R470	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R471	ERDS1FJ1R0	CARBON	0.5W	5%	1 Ω	⚠
R601	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R613	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R614	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R615	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R616	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R617	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R619	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R620	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R622	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R623	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R626	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R627	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R628	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R630	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R631	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω	
R634	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R635	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R636	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R637	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R638	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R639	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R640	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R641	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R642	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R643	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R644	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R645	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R646	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω	
R647	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R648	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R649	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	

Cct Ref	Parts Number	Description				
R650	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R651	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R652	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R653	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R655	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω	
R657	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R658	ERJ6ENF2212	S.M. CAR	0.1W	5%	220 Ω	
R663	ERJ6GEYJ394	S.M.CARB	0.1W	5%	390K Ω	
R664	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R666	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R667	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R674	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R675	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R676	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R677	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R678	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R679	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R680	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω	
R681	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R682	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R683	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R684	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R685	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R686	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R688	ERJ6ENF3162	S.M. CAR	0.1W	5%	1K6 Ω	
R831	ERD75TAJ825	CARBON	0.75W	5%	8M2 Ω	⚠
R841	ERC12ZGK105D	SOLID	0.5W	10%	1M Ω	
R901	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R902	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R903	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R904	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R906	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R907	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R908	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R909	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R910	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R911	ERD25TJ561	CARBON	0.25W	5%	560 Ω	
R913	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R914	ERJ6GEYJ202	S.M.CARB	0.1W	5%	2K Ω	
R915	ERJ6GEYJ182	S.M.CARB	0.1W	5%	1K8 Ω	
R916	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R917	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω	
R919	ERQ14AJW390	FUSIBLE	0.25W	5%	39 Ω	⚠
R920	ERQ14AJW390	FUSIBLE	0.25W	5%	39 Ω	⚠
R922	ERDS2TJ683T	CARBON	2W	5%	68K Ω	
R923	ERDS2TJ683T	CARBON	2W	5%	68K Ω	
R924	ERDS1FYJ330	CARBON	0.5W	5%	33 Ω	⚠
R925	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R926	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R927	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R928	ERD25TJ5R6	CARBON	0.25W	5%	5R6 Ω	
R929	ERDS1FVJ471	RESISTOR	0.5W	5%	470 Ω	⚠
R931	ERDS1FYJ390	CARBON	0.5W	5%	39 Ω	⚠
R935	ERQ14AJW3R9	FUSIBLE	0.25W	5%	3R9 Ω	⚠
R936	ERQ1CJP102	FUSIBLE	1W	5%	1K Ω	⚠
R937	ERQ14AJW100	FUSIBLE	0.25W	5%	10 Ω	⚠
R938	ERD25TJ122	CARBON	0.25W	5%	1K2 Ω	
R939	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R941	ERD25TJ5R6	CARBON	0.25W	5%	5R6 Ω	
R1011	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1012	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R1013	ERDS2TJ471T	CARBON	0.5W	5%	470 Ω	
R1015	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R1071	ERD25TJ103	CARBON	0.25W	5%	10K Ω	
R1072	ERDS2TJ222T	CARBON	0.5W	5%	2K2 Ω	
R1073	ERDS2TJ222T	CARBON	0.5W	5%	2K2 Ω	

Cct Ref	Parts Number	Description			
R1074	ERDS2TJ332T	CARBON	2W	5%	3K2 Ω
R1075	ERDS2TJ512T	CARBON	2W	5%	5K1 Ω
R1076	ERD25TJ912	CARBON	0.25W	5%	9K1 Ω
R1101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1103	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1104	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1105	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1106	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1107	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1108	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1109	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1110	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1111	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1112	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1116	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1117	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1118	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1119	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1120	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1121	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1122	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1123	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R1124	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1125	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1126	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1127	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1128	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1129	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1130	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1131	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1132	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1133	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1134	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1135	ERJ6GEYJ225	S.M.CARB	0.1W	5%	2M2 Ω
R1138	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R1139	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1140	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
R1141	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1142	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1143	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1144	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1145	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1146	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1148	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1149	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1150	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R1151	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1152	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R1153	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R1154	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1155	ERJ6GEYJ105	S.M.CARB	0.1W	5%	1M Ω
R1156	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1157	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1158	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1160	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1161	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
R1162	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1163	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1164	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1165	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1166	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1167	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1168	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1169	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω

Cct Ref	Parts Number	Description			
R1170	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1171	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1172	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω
R1173	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1174	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1175	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1176	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1177	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1178	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1179	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1180	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1181	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1182	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1183	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1184	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1186	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1187	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1188	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1189	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1190	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1194	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1195	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1200	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1237	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1501	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1502	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1503	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R1504	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1505	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1506	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1507	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1508	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1509	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1510	ERJ6GEYJ8R2	S.M. CAR	0.1W	5%	8R2 Ω
R1511	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1513	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1514	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1515	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1517	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1518	ERJ6GEYJ180	S.M.CARB	0.1W	5%	18 Ω
R1519	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1520	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1521	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1522	ERJ6GEYJ302	S.M.CARB	0.1W	5%	3K Ω
R1523	ERJ6GEYJ390	S.M.CARB	0.1W	5%	39 Ω
R1524	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1525	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1526	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1527	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1528	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1530	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1531	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1532	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1533	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω
R1534	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R1535	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1536	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω
R1537	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1538	ERJ6GEYJ181	S.M.CARB	0.1W	5%	180 Ω
R1540	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1541	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1542	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1543	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1544	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1545	ERJ6ENF3600	S.M. CAR	0.1W	5%	36 Ω
R1546	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω

Cct Ref	Parts Number	Description			
R1547	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1548	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1550	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1551	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1552	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1553	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω
R1554	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1555	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1556	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1559	ERJ6ENF2200	S.M. CAR	0.1W	5%	22 Ω
R1560	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1561	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1562	ERJ6ENF4750	S.M. CAR	0.1W	5%	75 Ω
R1563	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1564	ERJ6ENF2200	S.M. CAR	0.1W	5%	22 Ω
R1565	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1566	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1567	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1568	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1569	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1570	ERJ6ENF2701	S.M.CARB	0.1W	5%	27 Ω
R1571	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1572	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1573	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1574	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1575	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1576	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1577	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1578	ERJ6GEYJ301	S.M.CARB	0.1W	5%	300 Ω
R1579	ERJ6GEYJ431	S.M.CARB	0.1W	5%	430 Ω
R1580	ERJ6GEYJ511	S.M.CARB	0.1W	5%	510 Ω
R1581	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω
R1582	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1583	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1584	ERJ6GEYJ561	S.M.CARB	0.1W	5%	560 Ω
R1585	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1586	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1587	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1588	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1589	ERJ6GEYJ152	S.M.CARB	0.1W	5%	1K5 Ω
R1590	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1591	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1592	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1593	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1594	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1595	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1598	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1599	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1600	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1603	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1604	ERJ6GEYJ820	S.M.CARB	0.1W	5%	82 Ω
R1605	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1606	ERJ6GEYJ273	S.M.CARB	0.1W	5%	27K Ω
R1607	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1609	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1610	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1611	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1613	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1614	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1615	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1616	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1617	ERJ6ENF1100	S.M. CAR	0.1W	5%	10 Ω
R1618	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1619	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1620	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1621	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω

Cct Ref	Parts Number	Description			
R1622	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R1623	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1624	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω
R1625	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω
R1626	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R1627	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω
R1628	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1629	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω
R1630	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1631	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1632	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1633	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1634	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1635	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1636	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R1637	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1639	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1640	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1641	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1642	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1643	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1644	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1645	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω
R1646	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R1660	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1661	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1663	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1664	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1665	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1667	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1668	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1669	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1671	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1672	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R1673	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1674	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1675	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1676	ERJ6GEYJ560	S.M.CARB	0.1W	5%	56 Ω
R1677	ERJ6ENF6800	S.M. CAR	0.1W	5%	80 Ω
R1678	ERJ6ENF1500	S.M. CAR	0.1W	5%	15 Ω
R1679	ERJ6ENF2000	S.M.CARB	0.1W	5%	20 Ω
R1680	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1681	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1682	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1683	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1684	ERJ6GEYJ271	S.M.CARB	0.1W	5%	270 Ω
R1685	ERQ14AJ100	FUSIBLE	0.25W	5%	10 Ω ⚠
R1686	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1687	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1688	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R1690	ERJ6ENF75R0	S.M.CARB	0.5W	5%	75 Ω
R1691	ERJ6ENF75R0	S.M.CARB	0.5W	5%	75 Ω
R1692	ERJ6ENF75R0	S.M.CARB	0.5W	5%	75 Ω
R1901	ERDS1TJ100	CARBON	0.5W	5%	10 Ω
R1902	ERDS1TJ100	CARBON	0.5W	5%	10 Ω
R1903	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1904	ERJ6GEYJ334	S.M.CARB	0.1W	5%	330K Ω
R1905	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω
R1906	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω
R1907	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1908	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R1909	ERJ6GEYJ362	S.M. CAR	0.1W	5%	3K6 Ω
R1910	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R1911	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R1912	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R1913	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω

Cct Ref	Parts Number	Description			
R2101	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2102	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2103	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2104	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2105	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2106	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2107	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2108	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2109	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2110	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2111	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2112	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2117	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2118	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2120	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2121	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2125	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2200	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R2201	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R2203	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2204	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2205	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R2206	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R2207	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2208	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2209	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2210	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2211	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
R2212	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R2213	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2214	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2215	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2220	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω
R2221	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω
R2223	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2224	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2225	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω
R2226	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω
R2227	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω
R2228	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2229	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2230	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2231	ERJ6GEYJ392	S.M.CARB	0.1W	5%	3K9 Ω
R2232	ERJ6GEYJ224	S.M.CARB	0.1W	5%	220K Ω
R2233	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2234	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2235	ERJ6GEYJ822	S.M.CARB	0.1W	5%	8K2 Ω
R2246	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω
R2301	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2302	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2303	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω
R2304	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2307	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2308	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω
R2312	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω
R2314	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2315	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω
R2316	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2318	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω
R2319	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω
R2320	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2321	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω
R2351	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2352	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω
R2353	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω

Cct Ref	Parts Number	Description				
R2354	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2355	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2356	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2357	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2358	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2359	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R2362	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2363	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2364	ERD25TJ101	CARBON	0.25W	5%	100 Ω	
R2365	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R2368	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R2369	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R2370	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2371	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2372	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2373	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R2376	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2377	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R2459	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2460	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R2474	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R2475	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3004	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3005	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3006	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R3007	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R3008	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3009	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3010	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3011	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3012	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3013	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3014	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3015	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3016	ERJ6GEYJ121	S.M.CARB	0.1W	5%	120 Ω	
R3017	ERJ6GEYJ390	S.M.CARB	0.1W	5%	39 Ω	
R3018	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3019	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3020	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3021	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
R3022	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω	
R3023	ERQ14AJ390	FUSIBLE	0.25W	5%	39 Ω	⚠
R3024	ERJ6GEYJ683	S.M.CARB	0.1W	5%	68K Ω	
R3025	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3026	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R3027	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R3028	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
R3029	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R3030	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3031	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R3033	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3034	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3035	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3036	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3037	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3038	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R3039	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R3040	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3043	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R3045	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R3046	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3047	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R3048	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3053	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22 Ω	
R3057	ERJ6GEYJ151	S.M.CARB	0.1W	5%	150 Ω	
R3058	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	

Cct Ref	Parts Number	Description				
R3059	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3060	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R3061	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3062	ERJ6GEYJ562	S.M.CARB	0.1W	5%	5K6 Ω	
R3063	ERJ6GEYJ222	S.M.CARB	0.1W	5%	2K2 Ω	
R3064	ERJ6GEYJ272	S.M.CARB	0.1W	5%	2K7 Ω	
R3065	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3066	ERJ6GEYJ471	S.M.CARB	0.1W	5%	470 Ω	
R3067	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3068	ERJ6GEYJ563	S.M.CARB	0.1W	5%	56K Ω	
R3069	ERJ6GEYJ183	S.M.CARB	0.1W	5%	18K Ω	
R3070	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3071	ERJ6GEYJ621	S.M. CAR	0.1W	5%	620 Ω	
R3072	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3073	ERJ6GEYJ393	S.M.CARB	0.1W	5%	39K Ω	
R3074	ERJ6GEYJ473	S.M.CARB	0.1W	5%	47K Ω	
R3075	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R3076	ERJ6GEYJ331	S.M.CARB	0.1W	5%	330 Ω	
R3077	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3078	ERJ6GEY0R00	S.M.CARB	0.1W	5%	0 Ω	
R3079	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3080	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3081	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3082	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3087	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3113	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3114	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3125	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
R3126	ERJ6GEYJ681	S.M.CARB	0.1W	5%	680 Ω	
R3281	ERD25TJ750	CARBON	0.25W	5%	75 Ω	
R3282	ERD25TJ750	CARBON	0.25W	5%	75 Ω	
R3284	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R3285	ERD25TJ102	CARBON	0.25W	5%	1K Ω	
R3351	ERJ6GEYJ220	S.M.CARB	0.1W	5%	22 Ω	
R3352	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R3353	ERJ6GEYJ474	S.M.CARB	0.1W	5%	470K Ω	
R3354	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3355	ERJ6GEYJ391	S.M.CARB	0.1W	5%	390 Ω	
R3356	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R3357	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R3358	ERJ6GEYJ682	S.M.CARB	0.1W	5%	6K8 Ω	
R3360	ERDS1TJ471	CARBON	0.5W	5%	470 Ω	
R3361	ERO50PKF1133	METAL	0.5W	5%	110K Ω	⚠
R3401	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3402	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3403	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3404	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3405	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3406	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3407	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3408	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3409	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3410	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3412	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3413	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3414	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3415	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3416	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3417	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3418	ERJ6GEYJ104	S.M.CARB	0.1W	5%	100K Ω	
R3419	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3420	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3421	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3422	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3423	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3424	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	

Cct Ref	Parts Number	Description				
R3425	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R3426	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω	
R3427	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3428	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω	
R3429	ERJ6GEYJ100	S.M.CARB	0.1W	5%	10 Ω	
R3430	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3431	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3432	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R3433	ERJ6GEYJ332	S.M.CARB	0.1W	5%	3K3 Ω	
R3434	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3435	ERJ6GEYJ680	S.M.CARB	0.1W	5%	68 Ω	
R3436	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3437	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3438	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3439	ERJ6GEYJ333	S.M.CARB	0.1W	5%	33K Ω	
R3440	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3441	ERJ6GEYJ153	S.M.CARB	0.1W	5%	15K Ω	
R3443	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3444	ERJ6GEYJ470	S.M.CARB	0.1W	5%	47 Ω	
R3445	ERJ6GEYJ750	S.M.CARB	0.1W	5%	75 Ω	
R3446	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3447	ERJ6GEYJ102	S.M.CARB	0.1W	5%	1K Ω	
R3452	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3453	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3454	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3455	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3801	ERJ6GEYJ101	S.M.CARB	0.1W	5%	100 Ω	
R3802	ERJ6GEYJ221	S.M.CARB	0.1W	5%	220 Ω	
R3803	ERG3FJ100	METAL	3W	5%	10 Ω	⚠
R3990	ERJ6GEYJ472	S.M.CARB	0.1W	5%	4K7 Ω	
R3991	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3992	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3993	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	
R3994	ERJ6GEYJ103	S.M.CARB	0.1W	5%	10K Ω	

CAPACITORS

C003	ECJ2VF1H104Z	ELECT	350V	100nF
C004	ECJ2VF1H104Z	ELECT	350V	100nF
C006	ECJ2VF1H104Z	ELECT	350V	100nF
C007	ECJ2VF1H104Z	ELECT	350V	100nF
C008	ECUV1H561JCX	S.M. CAP	50V	560pF
C011	ECUV1H100DCX	S.M. CAP	50V	10pF
C012	ECUV1H100DCX	S.M. CAP	50V	10pF
C014	ECJ2VF1H104Z	ELECT	350V	100nF
C015	ECJ2VF1H104Z	ELECT	350V	100nF
C017	ECUV1H100DCX	S.M. CAP	50V	10pF
C018	ECJ2VF1H104Z	ELECT	350V	100nF
C019	ECJ2VF1H104Z	ELECT	350V	100nF
C020	ECEA1HU101	ELECT	50V	100µF
C103	ECJ2VF1H104Z	ELECT	350V	100nF
C104	ECJ2VF1H103Z	ELECT	350V	10nF
C107	ECJ2VF1H104Z	ELECT	350V	100nF
C108	ECJ2VF1H104Z	ELECT	350V	100nF
C109	ECUY1C184KBX	S.M. CAP	16V	180nF
C110	ECJ2VF1H104Z	ELECT	350V	100nF
C111	ECJ2VF1H104Z	ELECT	350V	100nF
C251	ECEA1HU101	ELECT	50V	100µF
C252	ECJ2VB1H103K	ELECT	350V	10nF
C255	ECA1EHG101B	ELECT	50V	100nF
C256	ECJ2VB1H103K	ELECT	350V	10nF
C258	ECEA1HU101	ELECT	50V	100µF
C260	ECA1VM102GB	ELECT	35V	1nF
C261	ECA1VM102GB	ELECT	35V	1nF
C264	ECA1HM222E	ELECT	50V	2.2nF
C277	ECUV1H102JCX	S.M. CAP	50V	1nF
C278	ECUV1H102JCX	S.M. CAP	50V	1nF
C352	ECUV1H224ZFX	S.M. CAP	50V	220nF

Cct Ref	Parts Number	Description			
C353	ECUV1H104KBX	S.M. CAP	50V	100nF	
C354	ECQM2104KZ	FILM	250V	100nF	
C355	ECKC2H102J	CERAMIC	500V	1nF	⚠
C362	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C363	ECUV1H104KBX	S.M. CAP	50V	100nF	
C364	ECQM2104KZ	FILM	250V	100nF	
C365	ECKC2H102J	CERAMIC	500V	1nF	⚠
C372	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C373	ECUV1H104KBX	S.M. CAP	50V	100nF	
C374	ECQM2104KZ	FILM	250V	100nF	
C375	ECKC2H102J	CERAMIC	500V	1nF	⚠
C381	ECEA1HU101	ELECT	50V	100µF	
C383	ECUV1H103KBX	S.M. CAP	50V	10nF	
C384	ECQM2104KZ	FILM	250V	100nF	
C385	ECA2EM220B	ELECT	250V	22µF	
C386	ECKC3D392J	CERAMIC	2KV	3900pF	⚠
C388	ECUV1H331KBX	S.M. CAP	50V	330pF	
C389	ECUV1H331KBX	S.M. CAP	50V	330pF	
C390	ECUV1H180JCX	S.M. CAP	50V	18pF	
C391	ECUV1H180JCX	S.M. CAP	50V	18pF	
C392	ECUV1H180JCX	S.M. CAP	50V	18pF	
C396	ECJ2VF1H104Z	ELECT	350V	100nF	
C397	ECKC3D222JB	CERAMIC	2KV	2200pF	⚠
C400	ECA1VM102GB	ELECT	35V	1nF	
C403	ECQV1H105JZ	FILM	50V	1µF	
C404	ECEA1HU471	ELECT	50V	470µF	
C407	ECQB1224KFW	FILM	100V	220nF	
C411	ECUV1H102KBX	S.M. CAP	50V	1nF	
C602	ECJ2VF1H104Z	ELECT	350V	100nF	
C603	ECJ2VF1H104Z	ELECT	350V	100nF	
C604	ECUV1H470JCX	S.M. CAP	50V	47pF	
C606	ECA1AM332E	ELECT	10V	3300µF	
C607	ECJ2VF1H104Z	ELECT	350V	100nF	
C608	ECJ2VF1H104Z	ELECT	350V	100nF	
C610	ECJ2VF1H104Z	ELECT	350V	100nF	
C611	ECJ2VF1H104Z	ELECT	350V	100nF	
C612	ECJ2VF1H104Z	ELECT	350V	100nF	
C613	ECJ2VF1H104Z	ELECT	350V	100nF	
C614	ECJ2VF1H104Z	ELECT	350V	100nF	
C615	ECJ2VB1C104K	ELECT	350V	100nF	
C617	ECJ2VF1H104Z	ELECT	350V	100nF	
C618	ECJ2VF1H104Z	ELECT	350V	100nF	
C620	ECUV1H050DCX	S.M. CAP	50V	5pF	
C622	ECUV1H470JCX	S.M. CAP	50V	47pF	
C623	ECUV1H470JCX	S.M. CAP	50V	47pF	
C625	ECUV1H470JCX	S.M. CAP	50V	47pF	
C626	ECUV1H470JCX	S.M. CAP	50V	47pF	
C627	ECUV1H470JCX	S.M. CAP	50V	47pF	
C628	ECUV1H470JCX	S.M. CAP	50V	47pF	
C632	ECJ2VF1H104Z	ELECT	350V	100nF	
C633	ECJ2VF1H104Z	ELECT	350V	100nF	
C634	ECUV1H222KBX	S.M. CAP	50V	2.2nF	
C636	ECUV1H103ZFX	S.M. CAP	50V	10nF	
C637	ECUV1H470JCX	S.M. CAP	50V	47pF	
C638	ECUV1H270JCX	S.M. CAP	50V	27pF	
C639	ECJ2VF1H104Z	ELECT	350V	100nF	
C641	ECUV1H101JCX	S.M. CAP	50V	100pF	
C643	ECUV1H102KBX	S.M. CAP	50V	1nF	
C646	ECUV1H103KBX	S.M. CAP	50V	10nF	
C651	ECJ2VB1C224K	ELECT	350V	220nF	
C840	222233510224	FILM	250V	220nF	
C841	ECQE2A474MWB	FILM	250V	470nF	
C858	43504A2277M0	ELECT	400V	270µF	
C901	ECUV1H030CCX	S.M. CAP	50V	30pF	
C902	ECA1VM101GB	ELECT	35V	100µF	
C904	ECJ2VF1H103Z	ELECT	350V	10nF	

Cct Ref	Parts Number	Description			
C906	ECUV1H681KBX	S.M. CAP	50V	680pF	
C907	ECUV1H121JCX	S.M. CAP	50V	120pF	
C908	ECUV1H151JCX	S.M. CAP	50V	150pF	
C909	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C910	ECKC2H472J	CERAMIC	500V	4.7nF	⚠
C911	ECUV1H151JCX	S.M. CAP	50V	150pF	
C912	ECA2EM220B	ELECT	250V	22µF	
C913	ECEA1HU101	ELECT	50V	100µF	
C914	ECEA1HU101	ELECT	50V	100µF	
C916	ECA2EM220B	ELECT	250V	22µF	
C918	ECJ2VF1H103Z	ELECT	350V	10nF	
C920	ECUV1H330JCX	S.M. CAP	50V	33pF	
C923	ECUV1H151JCX	S.M. CAP	50V	150pF	
C1011	ECKC1H101J	CERAMIC	50V	100pF	
C1012	ECA1VM470B	ELECT	35V	47µF	
C1014	ECEA1HU101	ELECT	50V	100µF	
C1101	ECJ2VF1H104Z	ELECT	350V	100nF	
C1102	ECUV1H101JCX	S.M. CAP	50V	100pF	
C1103	ECUV1H220JCX	S.M. CAP	50V	22pF	
C1104	ECUV1H220JCX	S.M. CAP	50V	22pF	
C1107	ECJ2VF1H104Z	ELECT	350V	100nF	
C1108	ECJ2VB1C104K	ELECT	350V	100nF	
C1109	ECJ2VB1C104K	ELECT	350V	100nF	
C1113	ECJ2VB1C104K	ELECT	350V	100nF	
C1114	ECEA1HU101	ELECT	50V	100µF	
C1117	ECUV1H221JCX	S.M. CAP	50V	220pF	
C1118	ECJ3VB1C474K	ELECT	3.5KV	470nF	
C1120	ECJ2VF1H104Z	ELECT	350V	100nF	
C1121	ECUV1H472KBX	S.M. CAP	50V	4.7nF	
C1123	ECJ2VF1H104Z	ELECT	350V	100nF	
C1124	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1125	ECJ2VF1H104Z	ELECT	350V	100nF	
C1126	ECJ2VF1H104Z	ELECT	350V	100nF	
C1127	ECEA1HU101	ELECT	50V	100µF	
C1128	ECJ2VF1H104Z	ELECT	350V	100nF	
C1129	ECEA1HU101	ELECT	50V	100µF	
C1130	ECUV1H103KBX	S.M. CAP	50V	10nF	
C1131	ECUV1H221JCX	S.M. CAP	50V	220pF	
C1138	ECUV1H224ZFX	S.M. CAP	50V	220nF	
C1145	ECJ2VB1H333K	ELECT	350V	33nF	
C1147	ECA1CM331B	ELECT	16V	330µF	
C1501	ECUV1H100DCX	S.M. CAP	50V	10pF	
C1502	ECUV1H471JCX	S.M. CAP	50V	470pF	
C1503	ECUV1H390JCX	S.M. CAP	50V	39pF	
C1504	ECUV1H680JCX	S.M. CAP	50V	68pF	
C1505	ECUV1H820JCX	S.M. CAP	50V	82pF	
C1506	ECUV1H331JCX	S.M. CAP	50V	330pF	
C1507	ECUV1H102KBX	S.M. CAP	50V	1nF	
C1508	ECEA1HN010UB	ELECT	50V	1µF	
C1509	ECJ2VF1H104Z	ELECT	350V	100nF	
C1510	ECEA1HU101	ELECT	50V	100µF	
C1511	ECJ2VF1H104Z	ELECT	350V	100nF	
C1512	ECUV1H030CCX	S.M. CAP	50V	30pF	
C1514	ECJ2VF1H104Z	ELECT	350V	100nF	
C1515	ECJ2VF1H104Z	ELECT	350V	100nF	
C1516	ECUV1H030CCX	S.M. CAP	50V	30pF	
C1517	ECUV1H473ZFX	S.M. CAP	50V	47nF	
C1518	ECJ2VF1H104Z	ELECT	350V	100nF	
C1519	ECEA1HU101	ELECT	50V	100µF	
C1521	ECEA1HU101	ELECT	50V	100µF	
C1522	ECJ2VF1H104Z	ELECT	350V	100nF	
C1523	ECJ2VF1H104Z	ELECT	350V	100nF	
C1524	ECA1VM470B	ELECT	35V	47µF	
C1525	ECJ2VF1H104Z	ELECT	350V	100nF	
C1527	ECJ2VF1H104Z	ELECT	350V	100nF	
C1528	ECJ2VF1H104Z	ELECT	350V	100nF	

Cct Ref	Parts Number	Description		
C1529	ECJ2VF1H104Z	ELECT	350V	100nF
C1530	ECJ2VF1H104Z	ELECT	350V	100nF
C1532	ECJ2VF1H104Z	ELECT	350V	100nF
C1533	ECJ2VF1H104Z	ELECT	350V	100nF
C1534	ECJ2VF1H104Z	ELECT	350V	100nF
C1535	ECJ2VF1H104Z	ELECT	350V	100nF
C1536	ECJ2VF1H104Z	ELECT	350V	100nF
C1537	ECJ2VF1H104Z	ELECT	350V	100nF
C1538	EEUNA1E220B	CERAMIC	25V	22µF
C1539	ECJ2VF1H104Z	ELECT	350V	100nF
C1540	ECJ2VF1H104Z	ELECT	350V	100nF
C1541	ECJ2VF1H104Z	ELECT	350V	100nF
C1543	ECJ2VF1H104Z	ELECT	350V	100nF
C1544	EEUNA1E220B	CERAMIC	25V	22µF
C1545	ECJ2VF1H104Z	ELECT	350V	100nF
C1546	ECEA1HU101	ELECT	50V	100µF
C1547	ECJ2VF1H104Z	ELECT	350V	100nF
C1548	ECJ2VF1H104Z	ELECT	350V	100nF
C1549	ECJ2VF1H104Z	ELECT	350V	100nF
C1550	ECJ2VF1H104Z	ELECT	350V	100nF
C1551	EEUNA1E220B	CERAMIC	25V	22µF
C1552	ECEA1HU101	ELECT	50V	100µF
C1553	ECJ2VF1H104Z	ELECT	350V	100nF
C1554	ECJ2VF1H104Z	ELECT	350V	100nF
C1555	ECJ2VF1H104Z	ELECT	350V	100nF
C1556	ECEA1HU101	ELECT	50V	100µF
C1557	ECJ2VF1H104Z	ELECT	350V	100nF
C1558	ECJ2VF1H104Z	ELECT	350V	100nF
C1559	ECJ2VF1H104Z	ELECT	350V	100nF
C1560	ECJ2VF1H104Z	ELECT	350V	100nF
C1561	ECJ2VF1H104Z	ELECT	350V	100nF
C1562	ECJ2VF1H104Z	ELECT	350V	100nF
C1563	ECEA1HU101	ELECT	50V	100µF
C1564	ECJ2VF1H104Z	ELECT	350V	100nF
C1565	ECUV1H270JCX	S.M. CAP	50V	27pF
C1567	ECEA1HU101	ELECT	50V	100µF
C1568	ECJ2VF1H104Z	ELECT	350V	100nF
C1569	ECJ2VF1H104Z	ELECT	350V	100nF
C1570	ECJ2VF1H104Z	ELECT	350V	100nF
C1572	ECJ2VF1H104Z	ELECT	350V	100nF
C1573	ECJ2VF1H104Z	ELECT	350V	100nF
C1574	ECJ2VF1H104Z	ELECT	350V	100nF
C1575	ECJ2VF1H104Z	ELECT	350V	100nF
C1576	ECJ2VF1H104Z	ELECT	350V	100nF
C1577	ECJ2VF1H104Z	ELECT	350V	100nF
C1578	ECJ2VF1H104Z	ELECT	350V	100nF
C1579	ECJ2VF1H104Z	ELECT	350V	100nF
C1580	ECJ2VF1H104Z	ELECT	350V	100nF
C1581	ECJ2VF1H104Z	ELECT	350V	100nF
C1582	ECJ2VF1H104Z	ELECT	350V	100nF
C1583	ECJ2VF1H104Z	ELECT	350V	100nF
C1584	ECJ2VF1H104Z	ELECT	350V	100nF
C1585	ECJ2VF1H104Z	ELECT	350V	100nF
C1586	ECJ2VF1H104Z	ELECT	350V	100nF
C1587	ECJ2VF1H104Z	ELECT	350V	100nF
C1588	ECJ2VF1H104Z	ELECT	350V	100nF
C1589	ECJ2VF1H104Z	ELECT	350V	100nF
C1590	ECJ2VF1H104Z	ELECT	350V	100nF
C1591	ECJ2VF1H104Z	ELECT	350V	100nF
C1594	ECJ2VF1H104Z	ELECT	350V	100nF
C1595	ECJ2VF1H104Z	ELECT	350V	100nF
C1596	ECJ2VF1H104Z	ELECT	350V	100nF
C1597	ECJ2VF1H104Z	ELECT	350V	100nF
C1598	ECJ2VF1H104Z	ELECT	350V	100nF
C1599	ECJ2VF1H104Z	ELECT	350V	100nF
C1600	ECJ2VF1H104Z	ELECT	350V	100nF

Cct Ref	Parts Number	Description		
C1601	ECJ2VF1H104Z	ELECT	350V	100nF
C1602	ECJ2VF1H104Z	ELECT	350V	100nF
C1603	ECJ2VF1H104Z	ELECT	350V	100nF
C1604	ECJ2VF1H104Z	ELECT	350V	100nF
C1605	ECJ2VF1H104Z	ELECT	350V	100nF
C1606	ECJ2VF1H104Z	ELECT	350V	100nF
C1607	ECJ2VF1H104Z	ELECT	350V	100nF
C1608	ECJ2VF1H104Z	ELECT	350V	100nF
C1609	ECJ2VF1H104Z	ELECT	350V	100nF
C1610	ECJ2VF1H104Z	ELECT	350V	100nF
C1612	ECJ2VF1H104Z	ELECT	350V	100nF
C1614	ECJ2VF1H104Z	ELECT	350V	100nF
C1615	ECJ2VF1H104Z	ELECT	350V	100nF
C1616	ECJ2VF1H104Z	ELECT	350V	100nF
C1617	ECJ2VF1H104Z	ELECT	350V	100nF
C1618	ECJ2VF1H104Z	ELECT	350V	100nF
C1619	ECJ2VF1H104Z	ELECT	350V	100nF
C1620	ECJ2VF1H104Z	ELECT	350V	100nF
C1621	ECJ2VF1H104Z	ELECT	350V	100nF
C1622	ECJ2VF1H104Z	ELECT	350V	100nF
C1623	ECJ2VF1H104Z	ELECT	350V	100nF
C1624	ECJ2VF1H104Z	ELECT	350V	100nF
C1625	ECJ2VF1H104Z	ELECT	350V	100nF
C1626	ECJ2VF1H104Z	ELECT	350V	100nF
C1627	ECJ2VF1H104Z	ELECT	350V	100nF
C1628	ECJ2VF1H104Z	ELECT	350V	100nF
C1629	ECJ2VF1H104Z	ELECT	350V	100nF
C1630	ECJ2VF1H104Z	ELECT	350V	100nF
C1631	ECJ2VF1H104Z	ELECT	350V	100nF
C1632	ECJ2VF1H104Z	ELECT	350V	100nF
C1633	ECJ2VF1H104Z	ELECT	350V	100nF
C1636	ECJ2VF1H104Z	ELECT	350V	100nF
C1637	ECJ2VF1H104Z	ELECT	350V	100nF
C1638	ECJ2VF1H104Z	ELECT	350V	100nF
C1639	ECJ2VF1H104Z	ELECT	350V	100nF
C1642	ECJ2VF1H104Z	ELECT	350V	100nF
C1643	ECJ2VF1H104Z	ELECT	350V	100nF
C1644	ECJ2VF1H104Z	ELECT	350V	100nF
C1645	ECJ2VF1H104Z	ELECT	350V	100nF
C1647	ECUV1H470JCX	S.M. CAP	50V	47pF
C1648	ECJ2VF1H104Z	ELECT	350V	100nF
C1649	ECEA1HU101	ELECT	50V	100µF
C1650	ECJ2VF1H104Z	ELECT	350V	100nF
C1651	ECJ2VF1H104Z	ELECT	350V	100nF
C1652	ECEA1HU101	ELECT	50V	100µF
C1653	ECJ2VF1H104Z	ELECT	350V	100nF
C1654	ECJ2VF1H104Z	ELECT	350V	100nF
C1655	ECA1VM470B	ELECT	35V	47µF
C1656	ECJ2VF1H104Z	ELECT	350V	100nF
C1658	ECJ2VF1H104Z	ELECT	350V	100nF
C1659	ECA1VM470B	ELECT	35V	47µF
C1660	ECJ2VF1H104Z	ELECT	350V	100nF
C1661	ECEA1HU101	ELECT	50V	100µF
C1662	ECJ2VF1H104Z	ELECT	350V	100nF
C1663	ECUV1H150JCX	S.M. CAP	50V	15pF
C1664	ECJ2VF1H104Z	ELECT	350V	100nF
C1666	ECUV1H390JCX	S.M. CAP	50V	39pF
C1667	ECUV1H820JCX	S.M. CAP	50V	82pF
C1668	ECUV1H680JCX	S.M. CAP	50V	68pF
C1669	ECUV1H271JCX	S.M. CAP	50V	270pF
C1670	ECUV1H391JCX	S.M. CAP	50V	390pF
C1671	ECUV1H390JCX	S.M. CAP	50V	39pF
C1672	ECUV1H820JCX	S.M. CAP	50V	82pF
C1673	ECUV1H680JCX	S.M. CAP	50V	68pF
C1674	ECUV1H271JCX	S.M. CAP	50V	270pF
C1675	ECUV1H391JCX	S.M. CAP	50V	390pF

Cct Ref	Parts Number	Description		
C1676	ECUV1H390JCX	S.M. CAP	50V	39pF
C1677	ECUV1H820JCX	S.M. CAP	50V	82pF
C1678	ECUV1H680JCX	S.M. CAP	50V	68pF
C1679	ECUV1H271JCX	S.M. CAP	50V	270pF
C1680	ECUV1H391JCX	S.M. CAP	50V	390pF
C1681	ECUV1H820JCX	S.M. CAP	50V	82pF
C1682	ECJ2VF1H104Z	ELECT	350V	100nF
C1683	ECUV1H101JCX	S.M. CAP	50V	100pF
C1685	ECJ2VF1H104Z	ELECT	350V	100nF
C1686	ECUV1H101JCX	S.M. CAP	50V	100pF
C1688	ECJ2VF1H104Z	ELECT	350V	100nF
C1689	ECJ2VF1H104Z	ELECT	350V	100nF
C1690	ECJ2VF1C105Z	ELECT	350V	1µF
C1691	ECJ2VF1C105Z	ELECT	350V	1µF
C1692	EEUNA1E220B	CERAMIC	25V	22µF
C1693	ECEA1HU101	ELECT	50V	100µF
C1695	ECUV1H101JCX	S.M. CAP	50V	100pF
C1696	EEUNA1E220B	CERAMIC	25V	22µF
C1697	EEUNA1E220B	CERAMIC	25V	22µF
C1698	EEUNA1E220B	CERAMIC	25V	22µF
C1903	ECA1EM470GB	ELECT	25V	47µF
C1904	ECUV1H103ZFX	S.M. CAP	50V	10nF
C1905	ECJ2VB1C224K	ELECT	350V	220nF
C2103	ECUV1H391KBX	S.M. CAP	50V	390pF
C2104	ECUV1H102KBX	S.M. CAP	50V	1nF
C2105	ECUV1H102KBX	S.M. CAP	50V	1nF
C2106	ECUV1H102KBX	S.M. CAP	50V	1nF
C2107	ECUV1H102KBX	S.M. CAP	50V	1nF
C2108	ECUV1H102KBX	S.M. CAP	50V	1nF
C2109	ECUV1H102KBX	S.M. CAP	50V	1nF
C2110	ECUV1H102KBX	S.M. CAP	50V	1nF
C2111	ECEA1CU100	ELECT	16V	10µF
C2112	ECJ2VF1H104Z	ELECT	350V	100nF
C2113	ECEA1CU100	ELECT	16V	10µF
C2114	ECEA1HU101	ELECT	50V	100µF
C2115	ECJ2VF1H104Z	ELECT	350V	100nF
C2116	ECUV1H102KBX	S.M. CAP	50V	1nF
C2117	ECUV1H471KBX	S.M. CAP	50V	470pF
C2119	ECUV1H471KBX	S.M. CAP	50V	470pF
C2120	ECJ2VF1H104Z	ELECT	350V	100nF
C2121	ECUV1H221JCX	S.M. CAP	50V	220pF
C2122	ECUV1H221JCX	S.M. CAP	50V	220pF
C2123	ECUV1H221JCX	S.M. CAP	50V	220pF
C2124	ECJ2VF1H104Z	ELECT	350V	100nF
C2125	ECEA1CU100	ELECT	16V	10µF
C2126	ECUV1H221JCX	S.M. CAP	50V	220pF
C2127	ECJ2VF1H104Z	ELECT	350V	100nF
C2128	ECUV1H221JCX	S.M. CAP	50V	220pF
C2129	ECEA1CU100	ELECT	16V	10µF
C2130	ECUV1H221JCX	S.M. CAP	50V	220pF
C2132	ECEA1HKA100	ELECT	50V	10pF
C2133	ECUV1H470JCX	S.M. CAP	50V	47pF
C2134	ECUV1H470JCX	S.M. CAP	50V	47pF
C2135	ECUV1H070DCX	S.M. CAP	50V	7pF
C2137	ECJ2VF1H104Z	ELECT	350V	100nF
C2138	ECUV1H010CCX	S.M. CAP	50V	1pF
C2139	ECUV1H010CCX	S.M. CAP	50V	1pF
C2141	ECUV1H560JCX	S.M. CAP	50V	56pF
C2142	ECEA1CU100	ELECT	16V	10µF
C2144	ECUV1H560JCX	S.M. CAP	50V	56pF
C2146	ECEA1HKA100	ELECT	50V	10pF
C2147	ECUV1H103KBX	S.M. CAP	50V	10nF
C2148	ECUV1H103KBX	S.M. CAP	50V	10nF
C2200	ECUV1H562KBX	S.M. CAP	50V	5.6nF
C2203	ECA1VM470B	ELECT	35V	47µF
C2205	ECUV1H562KBX	S.M. CAP	50V	5.6nF

Cct Ref	Parts Number	Description		
C2207	ECJ2VB1H822K	CERAMIC	50V	8.2nF
C2208	ECUV1H823KBX	S.M. CAP	50V	82nF
C2209	ECUV1H681JCX	S.M. CAP	50V	680pF
C2211	ECJ2VB1C104K	ELECT	350V	100nF
C2212	ECJ2VB1C104K	ELECT	350V	100nF
C2214	ECUY1C154KBX	CAPACITO		100nF
C2215	ECUV1H103KBX	S.M. CAP	50V	10nF
C2216	ECUV1H121JCX	S.M. CAP	50V	120pF
C2217	ECUV1H121JCX	S.M. CAP	50V	120pF
C2220	ECUV1H562KBX	S.M. CAP	50V	5.6nF
C2223	ECA1VM470B	ELECT	35V	47µF
C2225	ECUV1H562KBX	S.M. CAP	50V	5.6nF
C2227	ECJ2VB1H822K	CERAMIC	50V	8.2nF
C2228	ECUV1H823KBX	S.M. CAP	50V	82nF
C2229	ECUV1H681JCX	S.M. CAP	50V	680pF
C2231	ECJ2VB1C104K	ELECT	350V	100nF
C2232	ECJ2VB1C104K	ELECT	350V	100nF
C2234	ECUY1C154KBX	CAPACITO		100nF
C2235	ECUV1H103KBX	S.M. CAP	50V	10nF
C2307	ECUV1H103KBX	S.M. CAP	50V	10nF
C2308	ECUV1H103KBX	S.M. CAP	50V	10nF
C2357	ECUV1H151JCX	S.M. CAP	50V	150pF
C2358	ECUV1H151JCX	S.M. CAP	50V	150pF
C2362	ECEA1HU101	ELECT	50V	100µF
C2363	ECEA1HU221	ELECT	50V	220µF
C2364	ECEA1HU221	ELECT	50V	220µF
C2365	ECEA1HU101	ELECT	50V	100µF
C2367	ECJ2VF1H104Z	ELECT	350V	100nF
C2371	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C2372	ECUV1H472KBX	S.M. CAP	50V	4.7nF
C2375	ECJ2VF1H104Z	ELECT	350V	100nF
C2377	ECUV1H102JCX	S.M. CAP	50V	1nF
C2378	ECUV1H102JCX	S.M. CAP	50V	1nF
C2430	ECUV1H561JCX	S.M. CAP	50V	560pF
C2431	ECUV1H561JCX	S.M. CAP	50V	560pF
C2437	ECUV1H561JCX	S.M. CAP	50V	560pF
C2438	ECUV1H561JCX	S.M. CAP	50V	560pF
C3001	ECUV1H103ZFX	S.M. CAP	50V	10nF
C3003	ECUV1H102ZFX	S.M. CAP	50V	1nF
C3004	ECJ2VF1H104Z	ELECT	350V	100nF
C3005	ECJ2VF1H104Z	ELECT	350V	100nF
C3008	ECJ2VF1H104Z	ELECT	350V	100nF
C3009	ECUV1H473ZFX	S.M. CAP	50V	47nF
C3010	ECUV1H680JCX	S.M. CAP	50V	68pF
C3014	EEUNA1A470B	CERAMIC	10V	47µF
C3015	ECJ2VF1H104Z	ELECT	350V	100nF
C3017	ECJ2VF1H104Z	ELECT	350V	100nF
C3018	ECJ2VF1H104Z	ELECT	350V	100nF
C3021	ECA1CM331B	ELECT	16V	330µF
C3022	ECA1CM102B	ELECT	16V	1000µF
C3027	ECJ2VF1H104Z	ELECT	350V	100nF
C3028	ECUV1H470JRX	S.M. CAP	50V	47pF
C3120	ECUV1H103KBX	S.M. CAP	50V	10nF
C3122	ECUV1H102KBX	S.M. CAP	50V	1nF
C3123	ECUV1H103KBX	S.M. CAP	50V	10nF
C3124	ECUV1H102KBX	S.M. CAP	50V	1nF
C3282	ECKC1H561J	CERAMIC	50V	560pF
C3284	ECKC1H561J	CERAMIC	50V	560pF
C3401	ECEA1HKA100	ELECT	50V	10pF
C3402	ECUV1H561JCX	S.M. CAP	50V	560pF
C3403	ECUV1H561JCX	S.M. CAP	50V	560pF
C3404	ECUV1H561JCX	S.M. CAP	50V	560pF
C3405	ECUV1H561JCX	S.M. CAP	50V	560pF
C3406	ECUV1H561JCX	S.M. CAP	50V	560pF
C3407	ECUV1H561JCX	S.M. CAP	50V	560pF
C3408	ECUV1H561JCX	S.M. CAP	50V	560pF

Cct Ref	Parts Number	Description		
C3409	ECEA1HKA4R7	ELECT	50V	4.7µF
C3410	ECEA1HKA100	ELECT	50V	10pF
C3411	ECUV1H561JCX	S.M. CAP	50V	560pF
C3412	ECEA1HKA4R7	ELECT	50V	4.7µF
C3413	ECUV1H102JCX	S.M. CAP	50V	1nF
C3414	ECEA1HKA100	ELECT	50V	10pF
C3415	ECEA1HKA100	ELECT	50V	10pF
C3416	ECEA1HKA4R7	ELECT	50V	4.7µF
C3417	ECEA1HKA100	ELECT	50V	10pF
C3418	ECEA1HKA100	ELECT	50V	10pF
C3419	ECUV1H561JCX	S.M. CAP	50V	560pF
C3420	ECUV1H561JCX	S.M. CAP	50V	560pF
C3421	ECUV1H561JCX	S.M. CAP	50V	560pF
C3422	ECUV1H561JCX	S.M. CAP	50V	560pF
C3423	ECUV1H561JCX	S.M. CAP	50V	560pF
C3424	ECUV1H561JCX	S.M. CAP	50V	560pF
C3425	ECUV1H561JCX	S.M. CAP	50V	560pF
C3426	ECUV1H561JCX	S.M. CAP	50V	560pF
C3427	ECUV1H102JCX	S.M. CAP	50V	1nF
C3428	ECEA1HKA4R7	ELECT	50V	4.7µF
C3430	ECEA1HKA4R7	ELECT	50V	4.7µF
C3431	ECEA1CN470	ELECT	16V	47µF
C3432	ECJ2VF1H104Z	ELECT	350V	100nF
C3434	ECUV1H561JCX	S.M. CAP	50V	560pF
C3435	ECEA1HKA100	ELECT	50V	10pF
C3436	ECUV1H561JCX	S.M. CAP	50V	560pF
C3437	ECUV1H561JCX	S.M. CAP	50V	560pF
C3438	ECEA1HKA4R7	ELECT	50V	4.7µF
C3439	ECUV1H561JCX	S.M. CAP	50V	560pF
C3440	ECUV1H561JCX	S.M. CAP	50V	560pF
C3441	ECEA1HKA100	ELECT	50V	10pF
C3442	ECUV1H561JCX	S.M. CAP	50V	560pF
C3443	ECUV1H561JCX	S.M. CAP	50V	560pF
C3444	ECEA1HKA4R7	ELECT	50V	4.7µF
C3445	ECUV1H102JCX	S.M. CAP	50V	1nF
C3446	ECEA1HKA4R7	ELECT	50V	4.7µF
C3447	ECUV1H561JCX	S.M. CAP	50V	560pF
C3460	ECUV1H561JCX	S.M. CAP	50V	560pF
C3461	ECUV1H561JCX	S.M. CAP	50V	560pF
C3496	ECUV1H561JCX	S.M. CAP	50V	560pF
C3497	ECUV1H561JCX	S.M. CAP	50V	560pF
C3498	ECUV1H561JCX	S.M. CAP	50V	560pF
C3802	ECEA1CU100	ELECT	16V	10µF
C3804	ECJ2VF1H104Z	ELECT	350V	100nF
C3805	ECUV1H224ZFX	S.M. CAP	50V	220nF
C3806	ECEA1HU101	ELECT	50V	100µF
C3810	ECUV1H103KBX	S.M. CAP	50V	10nF
C3818	ECUV1H103KBX	S.M. CAP	50V	10nF
C3823	ECJ2VF1H104Z	ELECT	350V	100nF
C3824	ECUV1H103KBX	S.M. CAP	50V	10nF
C3825	ECJ2VB1C224K	ELECT	350V	220nF
C3827	ECUV1H224ZFX	S.M. CAP	50V	220nF

TERMINALS AND LINKS

JK2403	TJB8E014	RCA TERMINAL (2P)	
JK3281	TJB8E026	AV TERMINAL	
JK3401	350536400	SCART SOCKET	
JK3402	350536400	SCART SOCKET	
JK3403	350536400	SCART SOCKET	
R1914	TSF19161	FS LINK	⚠

SWITCHES

.	ESB92S11B	SWITCH	⚠
S1071	EVQ23405R	SWITCH	
S1072	EVQ23405R	SWITCH	
S1073	EVQ23405R	SWITCH	
S1074	EVQ23405R	SWITCH	
S1075	EVQ23405R	SWITCH	

Cct Ref	Parts Number	Description

SCHEMATIC DIAGRAMS FOR MODEL

TX-32PK20

(EURO-5 CHASSIS)

IMPORTANT SAFETY NOTICE
Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

NOTE

1. RESISTOR
   All resistors are carbon ¼W resistor, unless marked otherwise.
   Unit of resistance is OHM (Ω) (k=1,000, M=1,000,000)
2. CAPACITORS
   All capacitors are ceramic 50V unless marked otherwise.
   Unit of capacitance is µF unless otherwise stated.
3. COIL
   Unit of inductance is µH, unless otherwise stated.
4. TEST POINT
   Test Point Position
5. EARTH SYMBOL
   Chassis Earth (Cold)
   Line Earth (Hot)
6. VOLTAGE MEASUREMENT
   Voltage is measured by a d.c. voltmeter.
   Measurement conditions are as follows:

Power source	a.c. 220V-240V, 50Hz
Receiving Signal	Colour Bar signal (RF)
All customer controls	Maximum position

7.
   Indicates the Video signal path
   Indicates the Audio signal path

These schematic diagrams are the latest at time of printing and are subject to change without notice.

REMARKS

a. Do not touch the hot part, or the hot and cold parts at the same time, as you are liable to a shock hazard.
b. Do not short circuit the hot and cold circuits as electrical components may be damaged.
c. Do not connect an instrument, such as an oscilloscope, to the hot and cold circuits simultaneously as this may cause fuse failure. Connect the earth of the instruments to the earth connection of the circuit being measured.
d. Make sure to disconnect the power plug before removing the chassis.

NOTE

1. The Power Supply Circuit contains a circuit area, which uses a separate power supply to isolate the earth connection. The circuit is defined by HOT and COLD indications in the schematic diagram. All circuits, except the Power Circuit, are COLD.